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COMANDO E SEGNALAZIONE SM2 Ø22

COMMAND AND SIGNALLING SM2 Ø22



SISTEMA MODULARE 22

MODULAR SYSTEM 22

■ LA SERIE SM2

La serie SM2 "SISTEMA MODULARE 22" è progettata per un utilizzo sicuro, facile e intuitivo; le soluzioni adottate facilitano la realizzazione di varie combinazioni garantendo risparmio di tempo e risorse.
Le operazioni di montaggio e manutenzione possono essere svolte con normali utensili e con estrema accessibilità agli operatori.

■ LA STRUTTURA

Tutti gli operatori possono essere fissati con ghiere metalliche. Il filetto a sezione trapezoidale e l'accoppiamento plastica / metallo garantisce serraggi sicuri e permanenti. L'ancoraggio tra operatori ed elementi di contatto o elementi portalampada, è costruito con un profondo incasso poi trattato con una molla in acciaio inox. La struttura degli elementi di contatto è realizzata con estrema robustezza e flessibilità. La componibilità del sistema permette di comporre gli elementi retro pannello in molteplici configurazioni. La dimensionatura dei blocchi e le sezioni dei sistemi di serraggio garantiscono notevole resistenza alle tensioni da strappo. I contatti degli operatori New Elfin sono caratterizzati dalle grandi dimensioni delle superfici di contatto e dalla particolare conformazione che garantisce performance di efficienza operativa e di durata superiori alla media. I nostri prodotti sono progettati e costruiti con tecnopoliomeri Hi-tech. Gli spessori applicati e l'aggiunta di materiale di rinforzo conferiscono a tutte le parti grande robustezza e resistenza. Le parti metalliche sono in acciaio inox o in acciaio trattato, mentre le guarnizioni in gomma resistono a tutte le condizioni climatiche. Queste caratteristiche consentono l'utilizzo in ambienti critici.

■ DISPOSITIVI D'EMERGENZA

Tutti i sistemi di comando possono essere dotati di un esclusivo dispositivo di arresto d'emergenza, che difende i segnali di arresto di emergenza, mantenendoli coerenti ai requisiti per i quali sono stati progettati. Il dispositivo neutralizza fattori esterni non controllabili quali forti shock, corrosioni, errori di utilizzo, inadeguata manutenzione ecc.

■ CAPSULA DI PROTEZIONE

La capsula di protezione è un particolare accessorio per la protezione degli elementi di contatto per l'utilizzo in situazioni ambientali particolarmente gravose. Garantisce una chiusura ermetica nella parte retropannello ed è particolarmente adatto per l'uso nei settori agricolo, marittimo, cementifico ecc.

■ THE SM2 SERIES

The SM2 "MODULAR SYSTEM 22" series is designed for a safe, easy, intuitive use; the solutions adopted facilitate the execution of a range of combinations guaranteeing time and resources saving. Assembly and maintenance can be performed by using standard tools and with easy access to the operators.

■ STRUCTURE

All operators can be secured by metal locking rings. The trapezoidal thread and the plastic / metal combination guarantee secure and permanent tightening. The anchoring mechanism between operators and contact blocks or lampholders consists of a deep recess and a stainless steel spring holding the operator in place. The structure of the contact blocks is extremely sturdy and flexible. The modular system allows to compose the rear panel elements in multiple configurations. The block size and the sections of the tightening systems guarantee considerable tear resistance. The New Elfin operator contacts feature a large-sized contact surface and a special shape which guarantee above-average efficiency and life. Our products are designed and manufactured using Hi-tech technopolymers. The thickness applied and the addition of reinforcement material give all parts great sturdiness and resistance. The metallic parts are in stainless or treated steel, while the rubber gaskets are resistant to all climatic conditions allowing their use in critical environments.

■ EMERGENCY DEVICES

All command systems can be equipped with an exclusive emergency stop device, which protects the emergency stop signals, keeping them coherent to the design requirements. The device neutralizes external uncontrollable factors, such as strong shocks, corrosion, incorrect use, unsuitable maintenance, etc.

■ PROTECTION CAP

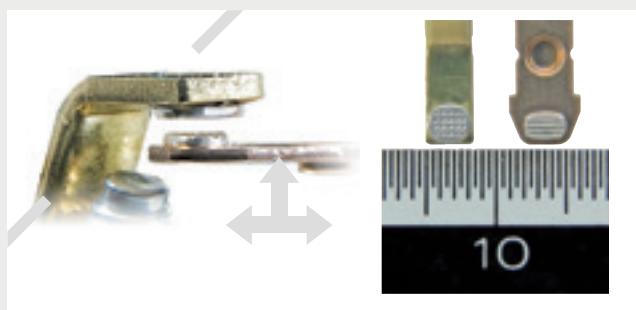
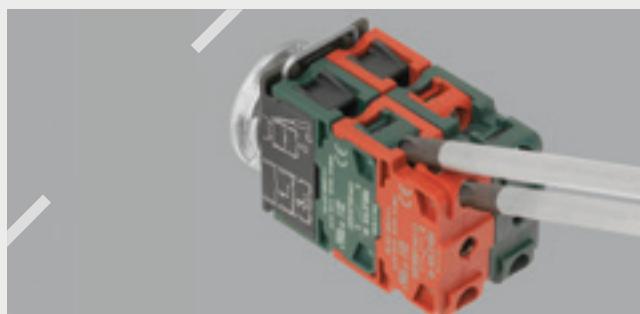
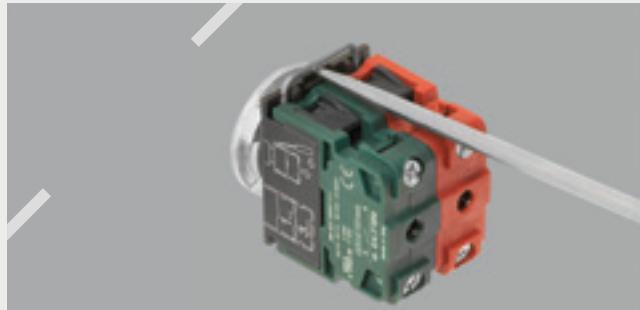
The protection cap is a special accessory protecting the contact blocks for use under particularly severe environmental conditions. It guarantees a hermetic sealing in the rear panel area and it is suitable for use in the farming and maritime sectors, cement factories, etc.



COMANDO E SEGNALAZIONE SM2 Ø22

SISTEMA MODULARE 22 MODULAR SYSTEM 22

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Caratteristiche tecniche

Technical data

Caratteristiche generali

| | |
|------------------------------------|--|
| Rispondenza alle norme | UNI CEI EN 45545-2 CEI EN 61373 EN/IEC 60947-1, EN/IEC 60947-5-1 EN/IEC-5-4, EN/IEC 60947-5-5, EN/ISO 13850, EN/IEC 60204-1, IEC 60364-5-53, UL 508 CSA C22-2 N°14 |
| Omologazioni | UL, CSA, RINA |
| Protezioni climatiche | In esecuzione normale T.C. tutti i climi(40°-UR35%) |
| Limiti di temperatura | Funzionamento $\geq -40^{\circ}\text{C} \leq +70^{\circ}\text{C}$ Stoccaggio $-45^{\circ}\text{C} +75^{\circ}\text{C}$ Serie con ghiera in metallo Funzionamento: $\geq -25^{\circ}\text{C} \leq +65^{\circ}\text{C}$ Stoccaggio $-35^{\circ}\text{C} +70^{\circ}\text{C}$ |
| Posizione di funzionamento | ↔↑↓ |
| Protezione contro scossa elettrica | Classe II secondo IEC 61140 |
| Altitudine d' impiego | $\leq 3.000\text{ m}$ |
| Grado di protezione | IP66 pulsanti normali, luminosi, lampade,selettori. IP68 pulsanti con cappuccio in gomma e manipolatori. Secondo norma EN/IEC 60529 IP69K secondo norma EN/IEC DIN 40050 Serie con ghiera in metallo IP65 pulsanti normali,luminosi,lampade,selettori. IP66 pulsanti con cappuccio in gomma. Secondo norma EN/IEC 60529 |
| Dimensioni di montaggio | Pannelli con spessore 1-6 mm Foratura secondo EN/IEC 60947-5-1 |

Caratteristiche meccaniche

| | |
|-------------------------------|---|
| Resistenza agli urti | 50g (durata: 11ms) mezza sinusoide secondo IEC 60068-2-7 |
| Resistenza alle vibrazioni | 16g 40-500 Hz secondo IEC 60068-2-6 |
| Coppia di serraggio | Ghiera di fissaggio operatori: 2-3 Nm, Viti terminali: 0,8-1,0 Nm |
| Viti terminali | Testa combinata taglio e Phillips Ph2 in acciaio zinato o acciaio inox per versioni: E10AU/E01AU Capacità di chiusura : $\geq 1 \times 0,5\text{ mm} / \leq 2 \times 2,5\text{ mm}$ Capicorda a forcella "spring spade" |
| Forze di azionamento | Pulsante con contatto NO: 5N - selettori: 0,15 Nm contatti aggiuntivi NO / NC: 1,5 N |
| Funzionamento contatti | NO/NC ad azione lenta con autopulitura a strisciamento - Contatti NC ad apertura positiva ⊕ secondo EN/EIC947-5-1 allegato K |
| Corsa e commutazioni contatti | Normalmente Chiuso Normalmente Aperto |
| Forza di apertura positiva | Pulsante normale: 5 N Pulsante a fungo: 40 N |
| Velocità di azionamento | Min. 10 mm / sec Max. 20mm / sec |
| Durata meccanica | Pulsanti normali, luminosi: 3 milioni di manovre. Selettori, manipolatori: 1 milione di manovre. Emergenza fungo aggancio e stabili: 500.000 manovre |
| Grado di protezione | Morsetti IP20 secondo IEC60529 |
| Identificazione morsetti | 1° cifra: ordine di montaggio su flangia di connessione - 2° cifra: funzione contatto su elemento 1-2 NC / 3/4 NO |

General features

| | |
|-----------------------------|---|
| Standards compliance | UNI CEI EN 45545-2 CEI EN 61373 EN/IEC 60947-1, EN/IEC 60947-5-1 EN/IEC-5-4, EN/IEC 60947-5-5, EN/ISO 13850, EN/IEC 60204-1, IEC 60364-5-53, UL 508 CSA C22-2 N°14 |
| Approvals | UL,CSA,RINA |
| Climatic protection | Normal operation for all climates (40°- RH35%) |
| Temperature ranges | Operating $\geq -40^{\circ}\text{C} \leq +70^{\circ}\text{C}$ Storage $-45^{\circ}\text{C} +75^{\circ}\text{C}$ Metal bezel series Operating: $\geq -25^{\circ}\text{C} \leq +65^{\circ}\text{C}$ Storage $-35^{\circ}\text{C} +70^{\circ}\text{C}$ |
| Operating positions | ↔↑↓ |
| Electrical shock protection | Class II in compliance with IEC 61140 |
| Operating altitude | $\leq 3.000\text{ m}$ |
| Protection degree | IP66 normal, twin, illuminated push-buttons, lamps, selector switches. IP68 push-buttons with rubber cap and joysticks. In compliance with EN/IEC 60529 IP69K in compliance with EN/IEC DIN 40050 Metal bezel series: IP65 normal, illuminated push buttons, lamps, selector switches . IP66 push-buttons with rubber cap In compliance with EN/IEC 606529 |

Mechanical features

| | |
|-------------------------------------|---|
| Mounting dimensions | 1-6 mm panels. Drilling in compliance with EN/IEC 60947-5-1 |
| Shock resistance | 50g (duration:11ms) half sine wave in compliance with IEC 60068-2-27 |
| Vibration resistance | 16g 40-500 Hz in compliance with IEC 60068-2-6 |
| Tightening torque | Operator locking ring: 2-3 Nm. Terminal screws: 0.8-1.0 Nm |
| Terminal screws | Combined slot and Phillips Ph2 head, zinc plated or stainless steel for E10AU /E01AU. Connection capacity : $\geq 1 \times 0.5\text{ mm} / \leq 2 \times 2.5\text{ mm}$ Fork spring spade terminals |
| Operating forces | Push-button with NO contact: 5N - selector switch: 0.15 Nm, additional NO/NC contacts: 1.5 N |
| Contact operation | NO/NC slow action with wiping, self-cleaning: NC contacts, positive opening  in compliance with EN/EIC947-5-1, annex K |
| Contact travel and switching points | Normalmente Chiuso Normalmente Aperto |
| Positive opening force | Normal push-button: 5 N Mushroom push-button: 40 N |
| Operating speed lampholder | Min. 10 mm / sec Max. 20mm / sec |
| Mechanical life | Normal,illuminated push-buttons: 3 million cycles. Selector switches, joysticks: 1 million cycles. Emergency stop mushroom push-buttons, latching or maintained: 500.000 cycles |
| Degree of protection | Terminals IP20 in compliance with IEC60529 |
| Identification of terminals | 1° digit: assembling order on connection flange 2° digit: element contact function 1-2 NC / 3-4 NO |



Caratteristiche tecniche

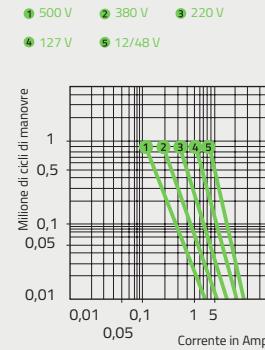
Technical data

Caratteristiche elettriche

| | |
|---------------------------------|---|
| Tensione nominale isolamento | Ui 690 V grado di inquinamento 3 secondo EN/IEC 60947-1 |
| Tensione di tenuta agli impulsi | Uimp 4kV secondo EN/IEC 60947-1 |
| Corrente nominale termica | Ith10A secondo EN/IEC 60947-5-1 |
| Protezione corto circuito | Fusibili DIAZED 10A classe d'intervento gL/gG forma D II secondo IEC 60269-1 |
| Materiale contatti | Pastiglie di contatto in Ag 1000/1000 per versioni Au: Ag 1000/1000, dorati |
| Categorie nominali d'impiego | Secondo EN/IEC 947-5-1 / UL 508 Cat AC15 / A600 Cat DC13 / P300 Ue V le A Ue V le A 24 10 24 5 48 8 48 2.7 60 6 60 2 110 6 110 1.1 220 3 220 0.55 380 2 400 1.5 500 1.5 600 1.2 |

Durata elettrica

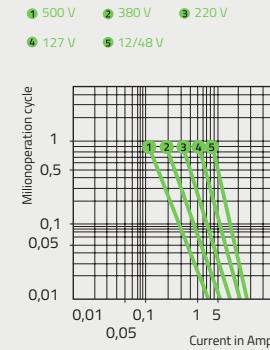
Corrente alternata 50-60 Hz cat AC15



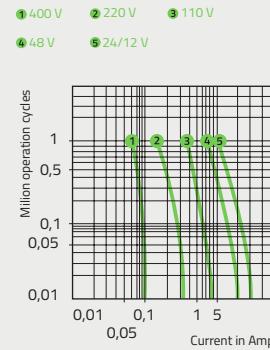
Corrente continua cat DC 13



Alternated current 50-60 Hz cat AC15



Direct current cat DC 13



Affidabilità elettrica (percentuale di guasto)

Secondo EN/IEC 947-5-4
Contatti O20 E10/E01 12V-5mA <10⁻⁸
Contatti O20 E10AU/E01AU 5V-1mA <10⁻⁷

Portalampada operatori luminosi

Attacco BA9S: lampade incandescenza, neon, multiled. Potenze raccomandate: lampade 2,6 W pulsanti, selettori 1,2 W

Durata lampade

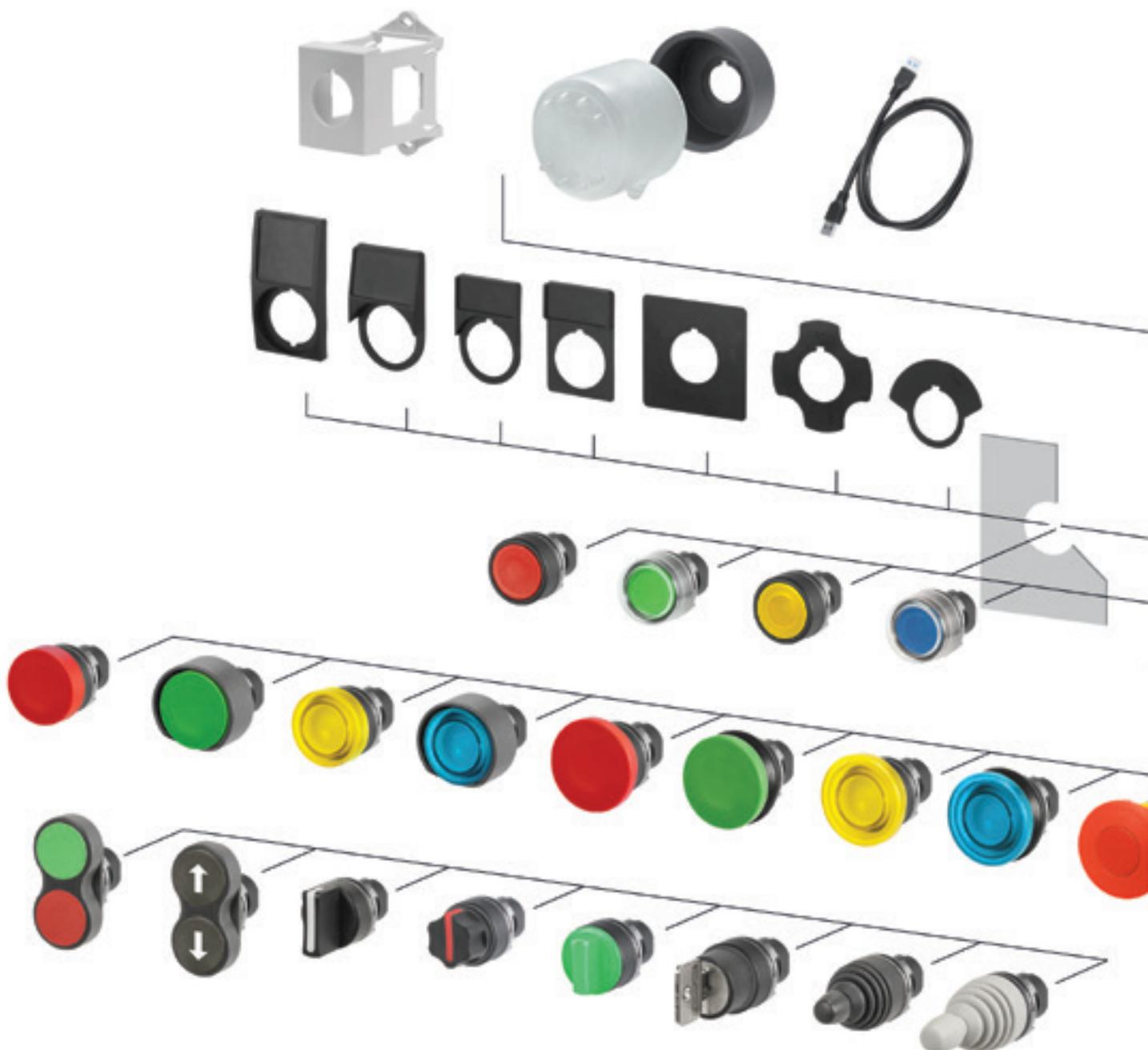
Incandescenza ≤1000h-Neon ≤3000h
Multiled≥50.000h

Configurazione contatti

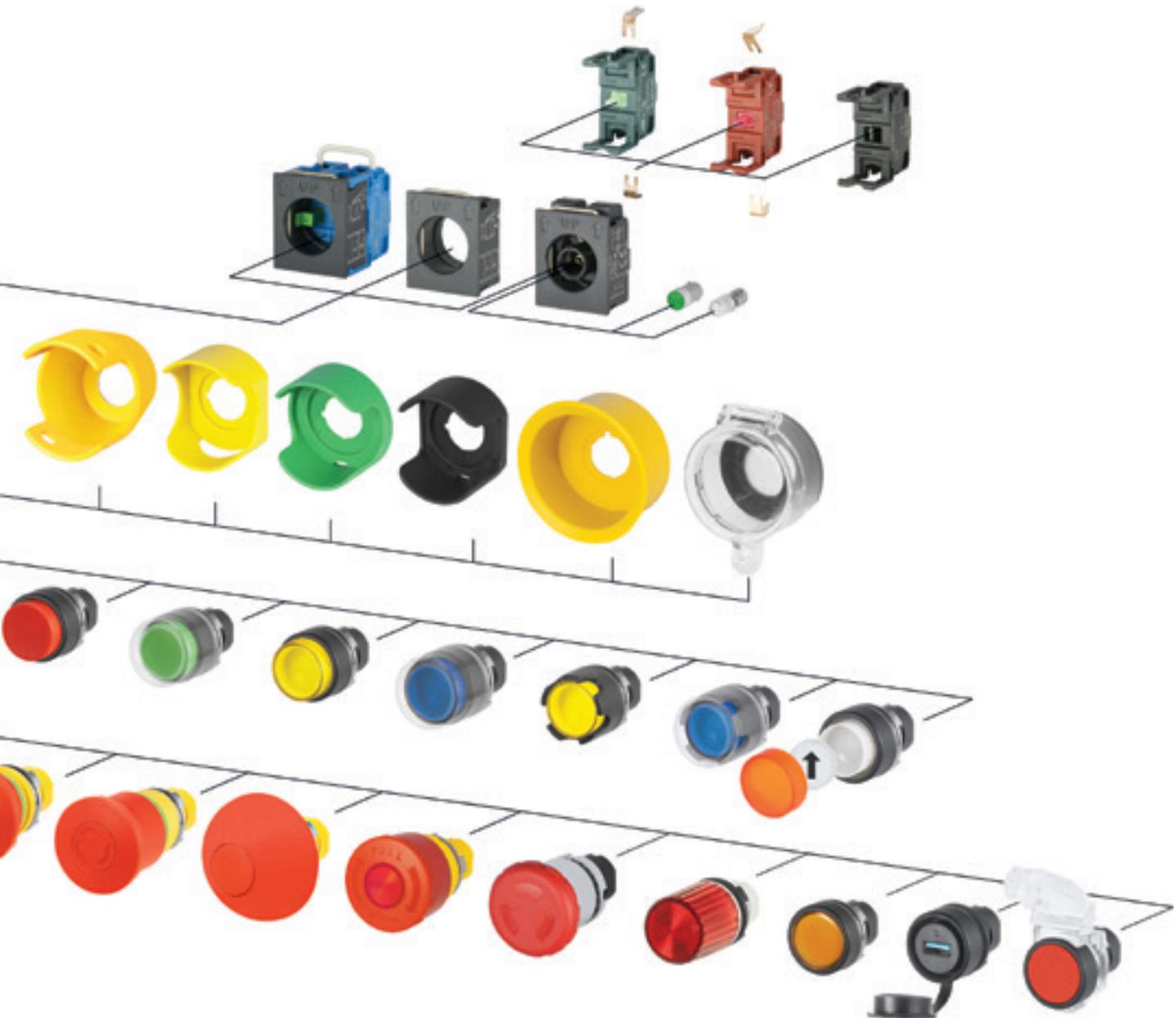
**Max N°2 CONTATTI**
Selettori luminosi.

Anche per serie ghiera metallica.

**Max N°4 CONTATTI**
Pulsanti stabili, pulsanti doppi, manipolatori, emergenza ad aggancio.
Anche per serie ghiera metallica.**Max 6 CONTATTI**
Pulsanti a fungo momentanei.
Serie ghiera metallica: Pulsanti non luminosi, pulsanti luminosi, pulsanti a fungo momentanei, selettori.**Max 8 CONTATTI**
Pulsanti non luminosi, pulsanti luminosi, selettori.
Non applicabile alla serie ghiera metallica.**Max 2 CONTACTS**
Illuminated selector switches.
Also for Metal bezel series.**Max 4 CONTACTS**
Maintained push-buttons, twin push-buttons, joysticks latching emergency push-buttons.
Also for Metal bezel series.**Max 6 CONTACTS**
Momentary mushroom push-buttons.**Max 8 CONTACTS**
Non-illuminated push-buttons, illuminated push-buttons, selector switches.
Not applicable to Metal bezel series.

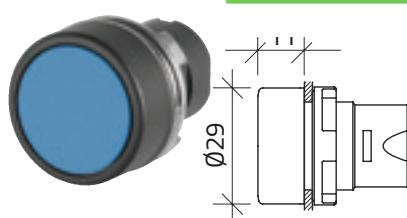


COMANDO E SEGNALAZIONE SM2 Ø22



Pulsanti normali Ø22

Normal push-buttons Ø22



Pulsanti normali / Normal push-buttons

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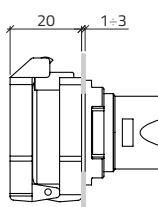
Pulsanti con guardia / Guarded push-buttons

Per marcatura consultare pag. 50 / For marking see page 50

| | | |
|------------------------------|----|---------|
| ● Nero / Black | 19 | 020PIN |
| ● Rosso / Red | 19 | 020PIR |
| ● Verde / Green | 19 | 020PIV |
| ● Giallo / Yellow | 19 | 020PIG |
| ● Blu / Blue | 19 | 020PIBL |
| ● Blu di prussia / Dark blue | 19 | 020PIBP |
| ○ Bianco / White | 19 | 020PIB |
| ● Grigio / Grey | 19 | 020PIGR |
| ● Arancio / Orange | 19 | 020PIA |

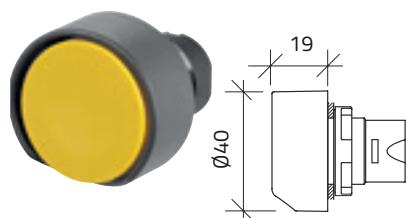
Stabili / Maintained

| | | |
|-----------------|----|---------|
| ● Nero / Black | 19 | 020PPIN |
| ● Rosso / Red | 19 | 020PPIR |
| ● Verde / Green | 19 | 020PPIV |



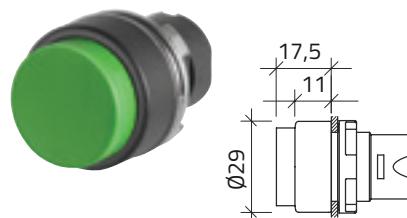
Pulsanti con guardia, protezione piombabile Guarded push-buttons, sealable protection

| | | |
|-----------------------------|----|-----------|
| ● Nero / Black | 28 | 020PINPP |
| ● Rosso / Red | 28 | 020PIRPP |
| Stabili / Maintained | | |
| ● Nero / Black | 28 | 020PPINPP |
| ● Rosso / Red | 28 | 020PPIRPP |



Pulsanti con guardia Ø32 / Guarded push-buttons Ø32

| | | |
|------------------------------|----|-----------|
| ● Nero / Black | 30 | 020PFG3N |
| ● Rosso / Red | 30 | 020PFG3R |
| ● Verde / Green | 30 | 020PFG3V |
| ● Giallo / Yellow | 30 | 020PFG3G |
| ● Blu / Blue | 30 | 020PFG3BL |
| ● Blu di prussia / Dark blue | 30 | 020PFG3BP |
| ● Grigio / Grey | 30 | 020PFG3GR |



Pulsanti sporgenti / Projecting push-buttons

| | | |
|--------------------|----|---------|
| ● Nero / Black | 22 | 020PSN |
| ● Rosso / Red | 22 | 020PSR |
| ● Verde / Green | 22 | 020PSV |
| ● Giallo / Yellow | 22 | 020PSG |
| ● Blu / Blue | 22 | 020PSBL |
| ○ Bianco / White | 22 | 020PSB |
| ● Grigio / Grey | 22 | 020PSGR |
| ● Arancio / Orange | 22 | 020PSA |

Stabili / Maintained

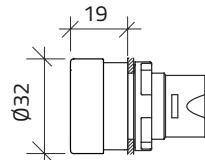
| | | |
|-----------------|----|---------|
| ● Nero / Black | 22 | 020PPSN |
| ● Rosso / Red | 22 | 020PPSR |
| ● Verde / Green | 22 | 020PPSV |



COMANDO E SEGNALAZIONE SM2 Ø22

Pulsanti normali Ø22

Normal push-buttons Ø22



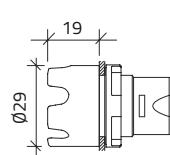
Pulsanti normali / Normal push-buttons

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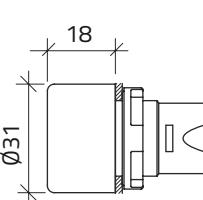
Pulsanti sporgenti Ø32 / Projecting push-buttons Ø32

| | | |
|------------------------------|----|----------|
| ● Nero / Black | 24 | 020PF3N |
| ● Rosso / Red | 24 | 020PF3R |
| ● Verde / Green | 24 | 020PF3V |
| ● Giallo / Yellow | 24 | 020PF3G |
| ● Blu / Blue | 24 | 020PF3BL |
| ● Blu di prussia / Dark blue | 24 | 020PF3BP |
| ● Grigio / Grey | 24 | 020PF3GR |



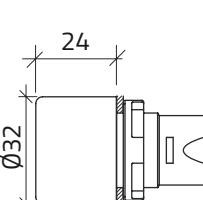
Pulsanti con guardia estesa / Push-buttons with extended guard

| | | |
|----------------|----|---------|
| ● Nero / Black | 23 | 020PIPN |
| ● Rosso / Red | 23 | 020PIPR |



Pulsanti con guardia / Guarded push-buttons

| | | |
|------------------------------|----|-----------|
| ● Nero / Black | 21 | 020PICGN |
| ● Rosso / Red | 21 | 020PICGR |
| ● Verde / Green | 21 | 020PICGV |
| ● Giallo / Yellow | 21 | 020PICGG |
| ● Blu / Blue | 21 | 020PICGBL |
| ● Blu di prussia / Dark blue | 21 | 020PICGBP |
| ○ Bianco / White | 21 | 020PICGB |
| ● Grigio / Grey | 21 | 020PICGGR |
| ● Arancio / Orange | 21 | 020PICGA |



Pulsanti sporgenti / Projecting push-buttons

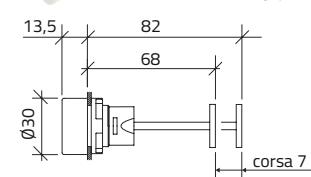
| | | |
|--------------------|----|-----------|
| ● Nero / Black | 21 | 020PSCGN |
| ● Rosso / Red | 21 | 020PSCGR |
| ● Verde / Green | 21 | 020PSCGV |
| ● Giallo / Yellow | 21 | 020PSCGG |
| ● Blu / Blue | 21 | 020PSCGBL |
| ○ Bianco / White | 21 | 020PSCGB |
| ● Grigio / Grey | 21 | 020PSCGGR |
| ● Arancio / Orange | 21 | 020PSCGA |

Pulsanti di riammo / Reset push-buttons

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| | | |
|-----------------|----|-----------|
| ● Rosso / Red | 31 | 020RTAIR |
| ● Verde / Green | 31 | 020RTAIV |
| ● Blu / Blue | 31 | 020RTAIBL |



Pulsanti normali Ø22

Normal push-buttons Ø22

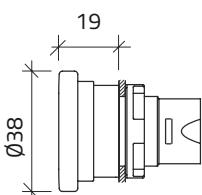


Pulsanti a fungo momentanei Momentary mushroom push-buttons

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Pulsanti a fungo Ø38 / Mushroom push-buttons Ø40



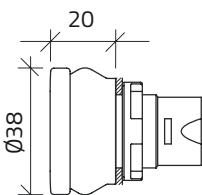
| | | |
|------------------------------|----|---------|
| ● Nero / Black | 24 | 020PFN |
| ● Rosso / Red | 24 | 020PFR |
| ● Verde / Green | 24 | 020PFV |
| ● Giallo / Yellow | 24 | 020PFG |
| ● Blu / Blue | 24 | 020PFBL |
| ● Blu di prussia / Dark blue | 24 | 020PFBP |
| ● Grigio / Grey | 24 | 020PFGR |

Stabili / Maintained

| | | |
|-------------------|----|---------|
| ● Nero / Black | 24 | 020PPFN |
| ● Rosso / Red | 24 | 020PPFR |
| ● Verde / Green | 24 | 020PPFV |
| ● Giallo / Yellow | 24 | 020PPFG |



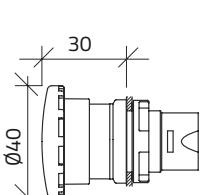
Pulsanti a fungo Ø38 con soffietto Mushroom push-buttons Ø38 with bellows



| | | |
|------------------------------|----|-----------|
| ● Nero / Black | 24 | 020PFSGN |
| ● Rosso / Red | 24 | 020PFSGR |
| ● Verde / Green | 24 | 020PFSGV |
| ● Giallo / Yellow | 24 | 020PFSGG |
| ● Blu / Blue | 24 | 020PFSGBL |
| ● Blu di prussia / Dark blue | 24 | 020PFSGBP |
| ● Grigio / Grey | 24 | 020PFSGGR |



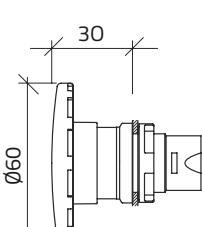
Pulsanti a fungo Ø40 / Mushroom push-buttons Ø40



| | | |
|-------------------|----|---------|
| ● Nero / Black | 32 | 020PTFN |
| ● Verde / Green | 32 | 020PTFV |
| ● Giallo / Yellow | 32 | 020PTFG |



Pulsanti a fungo Ø60 / Mushroom push-buttons Ø60



| | | |
|-----------------|----|-----------|
| ● Nero / Black | 36 | 020PTFFN |
| ● Grigio / Grey | 36 | 020PTFFGR |
| ● Verde / Green | 36 | 020PTFFV |



Pulsanti a fungo Ø60 Mushroom push-buttons Ø60

| | | |
|-----------------|----|------------|
| ● Nero / Black | 71 | 020PTFFPN |
| ● Grigio / Grey | 71 | 020PTFFPGR |
| ● Verde / Green | 71 | 020PTFFPV |

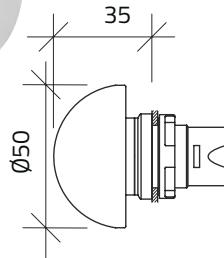


COMANDO E SEGNALAZIONE SM2 Ø22

Pulsanti normali Ø22

Normal push-buttons Ø22

Pulsanti a fungo momentanei Momentary mushroom push-buttons



g

cod

Pulsanti a fungo sferico Ø50 / Palm push-buttons Ø50

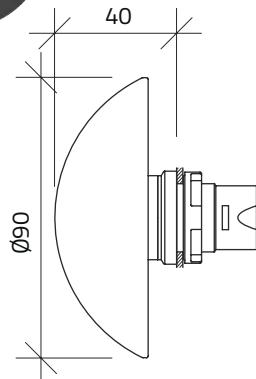
- Nero / Black
- Grigio / Grey

38

38

020PTF5MN

020PTF5MGR



Pulsanti a fungo sferico Ø90 / Palm push-buttons Ø90

- Nero / Black
- Giallo / Yellow
- Grigio / Grey

55

55

55

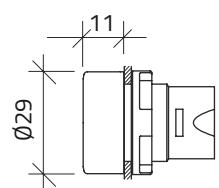
020PTF9MN

020PTF9MG

020PTF9MGR

Pulsanti luminosi Ø22

Illuminated push-buttons Ø22



Pulsanti luminosi Illuminated push-buttons

g

cod

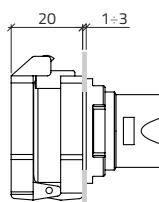
Pulsanti con guardia / Guarded push-buttons

Per marcatura consultare pag. 50 / For marking see page 50

| | | |
|--------------------|----|----------|
| ● Rosso / Red | 19 | 020PLIR |
| ● Verde / Green | 19 | 020PLIV |
| ● Giallo / Yellow | 19 | 020PLIG |
| ● Blu / Blue | 19 | 020PLIBL |
| ○ Bianco / White | 19 | 020PLIB |
| ● Arancio / Orange | 19 | 020PLIA |

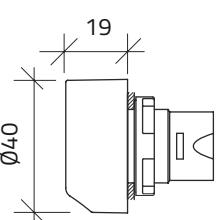
Stabili / Maintained

| | | |
|-------------------|----|-----------|
| ● Rosso / Red | 19 | 020PPLIR |
| ● Verde / Green | 19 | 020PPLIV |
| ● Giallo / Yellow | 19 | 020PPLIG |
| ● Blu / Blue | 19 | 020PPLIBL |
| ○ Bianco / White | 19 | 020PPLIB |



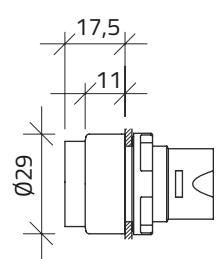
Pulsanti con guardia, protezione piombabile Guarded push-buttons, sealable protection

| | | |
|------------------|----|------------|
| ● Rosso / Red | 28 | 020PLIRPP |
| ○ Bianco / White | 28 | 020PLIBPP |
| ● Rosso / Red | 28 | 020PPLIRPP |
| ○ Bianco / White | 28 | 020PPLIBPP |



Pulsanti con guardia Ø32 / Guarded push-buttons Ø32

| | | |
|-----------------------|----|------------|
| ● Rosso / Red | 30 | 020PFLG3R |
| ● Verde / Green | 30 | 020PFLG3V |
| ● Giallo / Yellow | 30 | 020PFLG3G |
| ● Blu / Blue | 30 | 020PFLG3BL |
| ○ Trasparente / Clear | | |



Pulsanti sporgenti / Projecting push-buttons

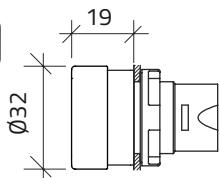
| | | |
|-----------------------|----|----------|
| ● Rosso / Red | 22 | 020PLSR |
| ● Verde / Green | 22 | 020PLSV |
| ● Giallo / Yellow | 22 | 020PLSG |
| ● Blu / Blue | 22 | 020PLBL |
| ○ Bianco / White | 22 | 020PLSB |
| ● Arancio / Orange | 22 | 020PLSA |
| ○ Trasparente / Clear | 22 | 020PLSI |
| ● Rosso / Red | 22 | 020PPLSR |
| ● Verde / Green | 22 | 020PPLSV |
| ● Giallo / Yellow | 22 | 020PPLSG |
| ● Blu / Blue | 22 | 020PPLBL |
| ○ Trasparente / Clear | 22 | 020PPLSI |



Pulsanti luminosi Ø22

Illuminated push-buttons Ø22

Pulsanti luminosi Illuminated push-buttons

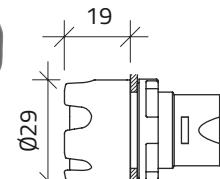


g

cod

Pulsanti sporgenti Ø32 / Projecting push-buttons Ø32

| | | |
|-----------------------|----|-----------|
| ● Rosso / Red | 24 | 020PFL3R |
| ● Verde / Green | 24 | 020PFL3V |
| ● Giallo / Yellow | 24 | 020PFL3G |
| ● Blu / Blue | 24 | 020PFL3BL |
| ○ Trasparente / Clear | 24 | 020PFL3I |



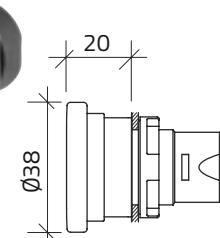
Pulsanti con guardia completa / Push-buttons with full guard

Per marcatura consultare pag. 50 / For marking see page 50

| | | |
|-----------------------|----|----------|
| ● Rosso / Red | 23 | 020PLPR |
| ● Verde / Green | 23 | 020PLPV |
| ● Giallo / Yellow | 23 | 020PLPG |
| ● Blu / Blue | 23 | 020PLPBL |
| ○ Bianco / White | 23 | 020PLPB |
| ● Arancio / Orange | 23 | 020PLPA |
| ○ Trasparente / Clear | 23 | 020PLPI |

Stabili / Maintained

| | | |
|-----------------------|----|-----------|
| ● Rosso / Red | 23 | 020PPLPR |
| ● Verde / Green | 23 | 020PPLPV |
| ● Giallo / Yellow | 23 | 020PPLPG |
| ● Blu / Blue | 23 | 020PPLPBL |
| ○ Trasparente / Clear | 23 | 020PPLPI |



g

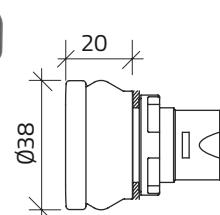
cod

Pulsanti a fungo Ø38 / Mushroom push-buttons Ø40

| | | |
|-----------------------|----|----------|
| ● Rosso / Red | 24 | 020PFLR |
| ● Verde / Green | 24 | 020PFLV |
| ● Giallo / Yellow | 24 | 020PFLG |
| ● Blu / Blue | 24 | 020PFLBL |
| ○ Trasparente / Clear | 24 | 020PFLI |

Stabili / Maintained

| | | |
|-------------------|----|-----------|
| ● Rosso / Red | 24 | 020PPFLR |
| ● Verde / Green | 24 | 020PPFLV |
| ● Giallo / Yellow | 24 | 020PPFLG |
| ● Blu / Blue | 24 | 020PPFLBL |

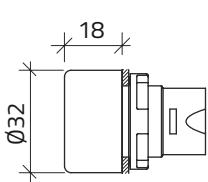


Pulsanti a fungo Ø38 con soffietto Mushroom push-buttons Ø30 with bellows

| | | |
|-----------------------|----|------------|
| ● Rosso / Red | 29 | 020PFLSGR |
| ● Verde / Green | 29 | 020PFLSGV |
| ● Giallo / Yellow | 29 | 020PFLSGG |
| ● Blu / Blue | 29 | 020PFLSGBL |
| ○ Trasparente / Clear | 29 | 020PFLSGI |

Pulsanti luminosi Ø22

Illuminated push-buttons Ø22



Pulsanti luminosi con cappuccio in gomma Illuminated push-buttons with rubber cap

g

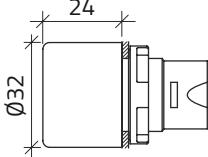
cod

Pulsanti con guardia / Guarded push-buttons

| | | |
|--------------------|----|------------|
| ● Rosso / Red | 21 | 020PLICGR |
| ● Verde / Green | 21 | 020PLICGV |
| ● Giallo / Yellow | 21 | 020PLICGG |
| ● Blu / Blue | 21 | 020PLICGBL |
| ○ Bianco / White | 21 | 020PLICGB |
| ● Arancio / Orange | 21 | 020PLICGA |

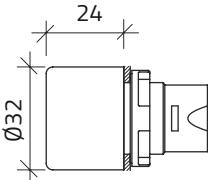
Stabili / Maintained

| | | |
|-------------------|----|-------------|
| ● Rosso / Red | 21 | 020PPLICGR |
| ● Verde / Green | 21 | 020PPLICGV |
| ● Giallo / Yellow | 21 | 020PPLICGG |
| ● Blu / Blue | 21 | 020PPLICGBL |



Pulsanti con guardia completa / Push-buttons with full guard

| | | |
|-----------------------|----|------------|
| ● Rosso / Red | 23 | 020PLPCGR |
| ● Verde / Green | 23 | 020PLPCGV |
| ● Giallo / Yellow | 23 | 020PLPCGG |
| ● Blu / Blue | 23 | 020PLPCGBL |
| ○ Bianco / White | 23 | 020PLPCGB |
| ● Arancio / Orange | 23 | 020PLPCGA |
| ○ Trasparente / Clear | 23 | 020PLPCGI |



Pulsanti sporgenti / Projecting push-buttons

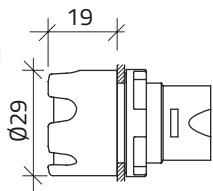
| | | |
|-----------------------|----|------------|
| ● Rosso / Red | 24 | 020PLSCGR |
| ● Verde / Green | 24 | 020PLSCGV |
| ● Giallo / Yellow | 24 | 020PLSCGG |
| ● Blu / Blue | 24 | 020PLSCGBL |
| ○ Bianco / White | 24 | 020PLSCGB |
| ● Arancio / Orange | 24 | 020PLSCGA |
| ○ Trasparente / Clear | 24 | 020PLSCGI |



Pulsanti componibili Ø22

Modular push-buttons Ø22

Pulsanti componibili Modular push-buttons



Pulsante con guardia / Guarded push-button

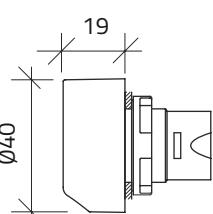
Stabile / Maintained

g

cod

22

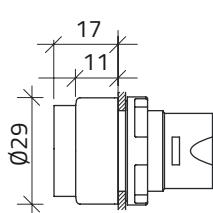
020PLP



Pulsante con guardia / Guarded push-button

28

020PFLG3



Pulsante sporgente / Projecting push-button

Stabile / Maintained

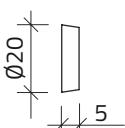
20

020PLS

20

020PPLS

Diffusori con simbolo / Diffusers caps with symbol



Completa il codice con il suffisso del simbolo desiderato vedi pag 52

Code to be completed with the suffix of the desired symbol, see page 52.

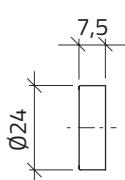
Per pulsanti / For push-buttons

1

10

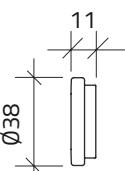
020DI

Gemme per pulsanti / Lenses for push-buttons



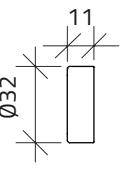
Gemme per pulsanti sporgenti o con guardia completa Lenses for push-buttons with full guard or projecting

| | | | |
|-----------------------|---|---|----------|
| ● Rosso / Red | 2 | 5 | 020BPLR |
| ● Verde / Green | 2 | 5 | 020BPLV |
| ● Giallo / Yellow | 2 | 5 | 020BPLG |
| ● Blu / Blue | 2 | 5 | 020BPLBL |
| ○ Bianco / White | 2 | 5 | 020BPLB |
| ● Arancio / Orange | 2 | 5 | 020BPLA |
| ○ Trasparente / Clear | 2 | 5 | 020BPLI |



Gemme per pulsanti a fungo / Lenses for mushroom push-buttons

| | | | |
|-----------------------|---|---|---------|
| ● Rosso / Red | 2 | 5 | 020BFRL |
| ● Verde / Green | 2 | 5 | 020BFLV |
| ● Giallo / Yellow | 2 | 5 | 020BFLG |
| ○ Trasparente / Clear | 2 | 5 | 020BFLI |



Gemme per pulsanti con guardia / Lenses for guarded push-buttons

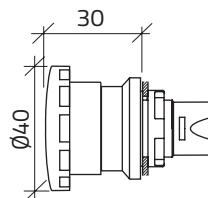
| | | | |
|-----------------------|---|---|----------|
| ● Rosso / Red | 4 | 5 | 020BFL3R |
| ● Verde / Green | 4 | 5 | 020BFL3V |
| ● Giallo / Yellow | 4 | 5 | 020BFL3G |
| ○ Trasparente / Clear | 4 | 5 | 020BFL3I |

Pulsanti d' emergenza non luminosi Ø22 Non-illuminated emergency stop push-buttons Ø 22

Momentanei / Momentary**g****cod****Pulsanti a fungo Ø 40 / Mushroom push-button Ø 40**

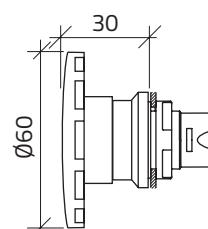
● Rosso / Red

32

020PTFR**Pulsanti a fungo Ø 60 / Mushroom push-button Ø 60**

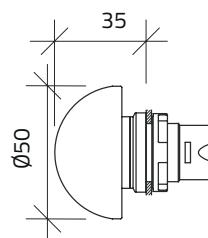
● Rosso / Red

36

020PTFFR**Pulsanti a fungo sferico Ø 50 / Palm push-button Ø 50**

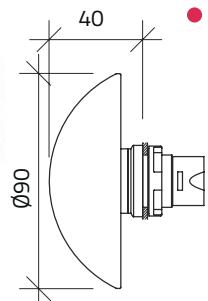
● Rosso / Red

38

020PTF5MR**Pulsanti a fungo sferico Ø 90 / Palm push-button Ø 90**

● Rosso / Red

55

020PTF9MR

COMANDO E SEGNALAZIONE SM2 Ø22

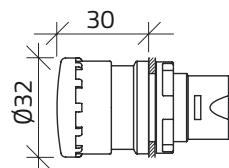
Pulsanti d' emergenza non luminosi Ø22

Non-illuminated emergency stop push-buttons Ø 22

Pulsanti a fungo ad aggancio Latching mushroom push-buttons

g

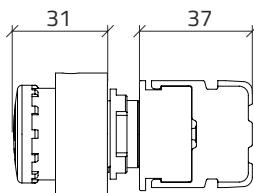
cod



Pulsanti a fungo Ø 32, sgancio rotazione Mushroom push-button Ø 32, twist release

| | | |
|-------------------|----|--|
| ● Rosso / Red | 30 | |
| ● Nero / Black | 30 | |
| ● Giallo / Yellow | 30 | |

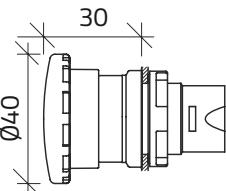
020PTAR
020PTAN
020PTAG



Pulsanti a fungo Ø 40, sgancio rotazione, ghiera lucchettabile Mushroom push-button Ø 40, twist release, padlockable guard

| | | |
|--|----|-------------------|
| ● Rosso / Red | 83 | |
| ● Rosso, automonitoraggio / Red, self-monitoring | 83 | 020PTARP02 |
| ● Nero / Black | 83 | 020PTANP02 |

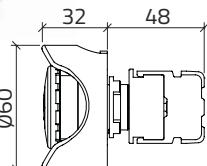
020PTARP02
020PTANP02



Pulsanti a fungo Ø 40, sgancio rotazione Mushroom push-button Ø 40, twist release

| | | |
|-------------------|----|-----------------|
| ● Rosso / Red | 35 | |
| ● Nero / Black | 35 | 020PTFAN |
| ● Giallo / Yellow | 30 | 020PTFAG |

020PTFAN
020PTFAG



Pulsanti a fungo Ø 40, sgancio rotazione, ghiera lucchettabile Mushroom push-button Ø 40, twist release, padlockable guard

| | | |
|--|----|--------------------|
| ● Rosso / Red | 83 | |
| ● Rosso, automonitoraggio / Red, self-monitoring | 83 | 020PTFARP02 |

020PTFARP02
020PTFARPO2S

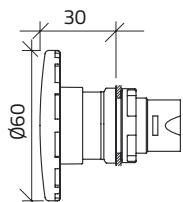
Pulsanti d' emergenza non luminosi Ø22

Non-illuminated emergency stop push-buttons Ø 22

Pulsanti a fungo ad aggancio Latching mushroom push-buttons

g

cod

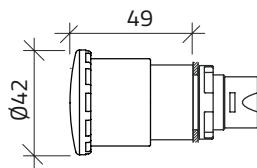


Pulsanti a fungo Ø 60, sgancio rotazione Mushroom push-button Ø 60, twist release

- Rosso / Red

39

02OPTFFAR

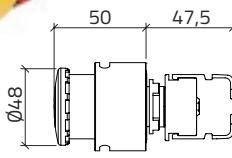


Pulsante a fungo Ø 42, sgancio rotazione Mushroom push-button Ø 42, twist release

- Rosso / Red

55

02OPTFASRV



Pulsante a fungo Ø 42, sgancio rotazione, ghiera lucchettabile telescopica Mushroom push-button Ø 42, twist release, telescopic padlockable guard

- Rosso / Red

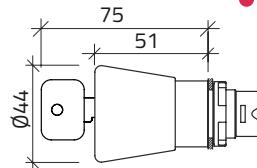
- Rosso, automonitoraggio / Red, self-monitoring

106

02OPTFASRVP02

106

02OPTFASRVP02S



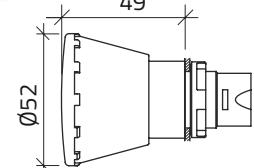
Pulsante a fungo Ø 44, sgancio a chiave Mushroom push-button Ø 44, key release

chiave 73037 con impugnatura colore rosso / key 73037 with red cap

- Rosso / Red

55

02OPTHCSRK



Pulsante a fungo Ø 52, sgancio rotazione Mushroom push-button Ø 52, twist release

- Rosso / Red

55

02OPTAASRK



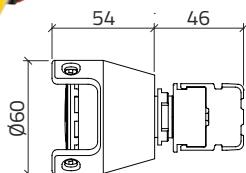
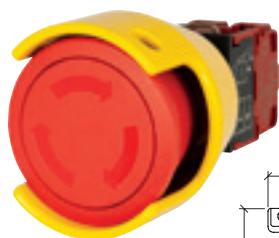
COMANDO E SEGNALAZIONE SM2 Ø22

Pulsanti d' emergenza non luminosi Ø22

Non-illuminated emergency stop push-buttons Ø 22

020

Pulsanti a fungo ad aggancio Latching mushroom push-buttons

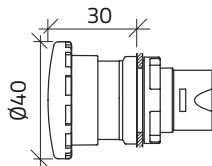


Pulsante a fungo Ø 52, sgancio rotazione, ghiera lucchettabile Mushroom push-button Ø 52, twist release, padlockable guard

- Rosso / Red
- Rosso, automonitoraggio / Red, self-monitoring

74

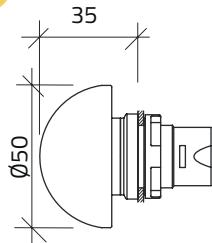
020PTAASRKP02
020PTAASRKP02S



Pulsante a fungo Ø 40, sgancio trazione Mushroom push-button Ø 40, pull release

- Rosso / Red

35

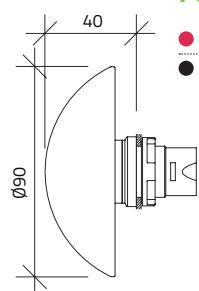
020PTF PTR

Pulsante a fungo sferico Ø 50, sgancio trazione Palm push-button Ø 50, pull release

- Rosso / Red
- Nero / Black

38

020PTF5PTR
020PTF5PTN



Pulsante a fungo sferico Ø 90, sgancio trazione Palm push-button Ø 90, pull release

- Rosso / Red
- Nero / Black

55

020PTF9PTR
020PTF9PTN

Pulsanti d' emergenza luminosi Ø22 Illuminated emergency stop push-buttons Ø 22



Pulsante a fungo Ø 40, sgancio rotazione-trazione
Mushroom push-button Ø 40, twist-pull release

g

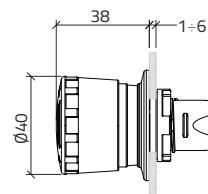
cod

Pulsante luminoso a fungo Ø 40, sgancio rotazione-trazione
Illuminated mushroom push-button Ø 40, twist-pull release

● Rosso / Red

36

020PTFALR



COMANDO E SEGNALAZIONE SM2 Ø22

Pulsanti d' emergenza luminosi Ø22

Illuminated emergency stop push-buttons Ø 22

Pulsante a fungo Ø 40, sgancio rotazione-trazione, con disco
Mushroom push-button Ø 40, twist-pull release, yellow disc

g

cod



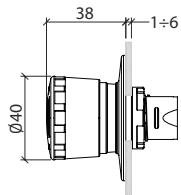
Pulsante a fungo Ø 42, sgancio rotazione-trazione,
disco giallo Ø 45

Illuminated mushroom push-button Ø 40, twist-pull release,
yellow disc Ø 45

● Rosso / Red

42

02OPTFALR4



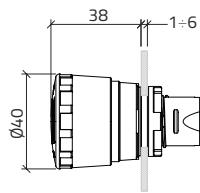
Pulsante a fungo Ø 42, sgancio rotazione-trazione,
disco giallo Ø 60

Illuminated mushroom push-button Ø 40, twist-pull release,
yellow disc Ø 60

● Rosso / Red

44

02OPTFALR6



Pulsanti doppi Ø22

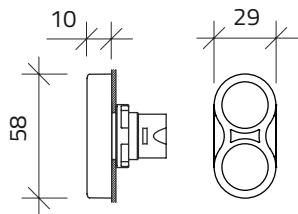
Twin push-buttons Ø22

Pulsanti a doppio comando
Twin push-buttons

g cod



76

020P2RV

76

020P2RVS

76

020P2RN

76

020P2RNS

76

020P2NBS

76

020P2NN

76

020P2NNS45

76

020P2NNS46

76

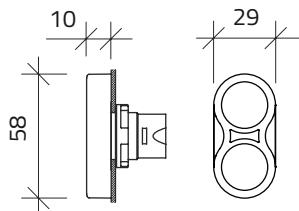
020P2NNS47

COMANDO E SEGNALAZIONE SM2 Ø22

Pulsanti doppi luminosi Ø22

Illuminated twin push-buttons Ø22

Pulsanti a doppio comando
Twin push-buttons

**g****cod**

76

020P2LRV

76

020P2LRVS

76

020P2LRN

76

020P2LRNS

76

020P2LNBS

76

020P2LNN

76

020P2LNNS45

76

020P2LNNS46

76

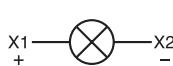
020P2LNNS47

COMANDO E SEGNALAZIONE SM2 Ø22

Lampade spia Ø22 Pilot lights Ø22

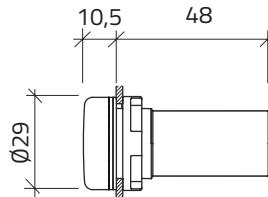
Per parti sciolte vedi accessori pag. 58 / For spare parts, see accessory on page. 58

Lampada spia monoblocco BA9S Monolithic pilot lights BA9S

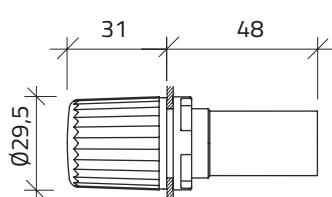


Alimentazione diretta / Direct supply

~ IP 66- BA9S 400V -

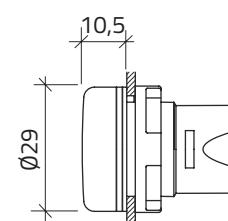


| | | | |
|-----------------------|----|---|----------------|
| ● Rosso / Red | 18 | 5 | 020LMR |
| ● Verde / Green | 18 | 5 | 020LMV |
| ● Giallo / Yellow | 18 | 5 | 020LMG |
| ● Blu / Blue | 18 | 5 | 020LMBL |
| ○ Bianco / White | 18 | 5 | 020LMB |
| ○ Trasparente / Clear | 18 | 5 | 020LMI |
| ● Arancio / Orange | 18 | 5 | 020LMA |

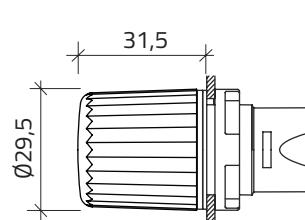


| | | | |
|-----------------------|----|---|-----------------|
| ● Rosso / Red | 22 | 5 | 020LMAR |
| ● Verde / Green | 22 | 5 | 020LMAV |
| ● Giallo / Yellow | 22 | 5 | 020LMAG |
| ● Blu / Blue | 22 | 5 | 020LMABL |
| ○ Bianco / White | 22 | 5 | 020LMAB |
| ○ Trasparente / Clear | 22 | 5 | 020LMAI |
| ● Arancio / Orange | 22 | 5 | 020LMAA |

Lampade spia modulare / Modular pilot lights

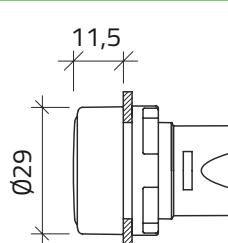


| | | | |
|-----------------------|---|---|----------------|
| ● Rosso / Red | 9 | 5 | 020ULR |
| ● Verde / Green | 9 | 5 | 020ULV |
| ● Giallo / Yellow | 9 | 5 | 020ULG |
| ● Blu / Blue | 9 | 5 | 020ULBL |
| ○ Bianco / White | 9 | 5 | 020ULB |
| ○ Trasparente / Clear | 9 | 5 | 020ULI |
| ● Arancio / Orange | 9 | 5 | 020ULA |



| | | | |
|-----------------------|----|---|-----------------|
| ● Rosso / Red | 13 | 5 | 020ULAR |
| ● Verde / Green | 13 | 5 | 020ULAV |
| ● Giallo / Yellow | 13 | 5 | 020ULAG |
| ● Blu / Blue | 13 | 5 | 020ULABL |
| ○ Bianco / White | 13 | 5 | 020ULAB |
| ○ Trasparente / Clear | 13 | 5 | 020ULAI |
| ● Arancio / Orange | 13 | 5 | 020ULAA |

Lampade spia inviolabili / Tamper-proof pilot lights

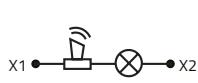


| | | | |
|-----------------------|----|---|----------------|
| ● Rosso / Red | 21 | 5 | 020ULPR |
| ● Verde / Green | 21 | 5 | 020ULPV |
| ● Giallo / Yellow | 21 | 5 | 020ULPG |
| ● Blu / Blue | 21 | 5 | 020ULPB |
| ○ Bianco / White | 21 | 5 | 020ULPB |
| ○ Trasparente / Clear | 21 | 5 | 020ULPI |
| ● Arancio / Orange | 21 | 5 | 020ULPA |

COMANDO E SEGNALAZIONE SM2 Ø22

Segnalatore acustico e luminoso Ø22

Buzzer with flashing led beacon Ø22



Segnalatore acustico e luminoso Buzzer with flashing led beacon

g

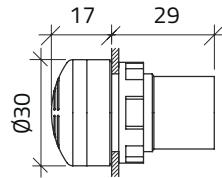
cod

Con LED lampeggiante rosso With red flashing led beacon

Assorbimento : 20 mA / Current consumption : 20 mA

Intensità sonora : 80 db / Sound level : 80 db

Protezione IP44 / Protection IP44



24V AC-DC

130V AC-DC

230V AC

20

20

20

020SAL24

020SAL13

020SAL22

Segnalatore acustico Buzzer

g

cod

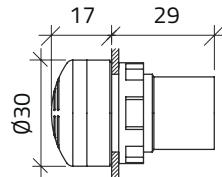


Solo sonoro / Only sound

Assorbimento : 20 mA / Current consumption : 20 mA

Intensità sonora : 80 db / Sound level : 80 db

Protezione IP44 / Protection IP44



24V AC-DC

130V AC-DC

230V AC

20

20

20

020SA24

020SA13

020SA22

Selettori a manopola Ø22

Knob selector switches Ø22

Cercare la combinazione di schemi a pag. 31-32 / See diagram combination on page 31-32

020

2 posizioni / 2 positions

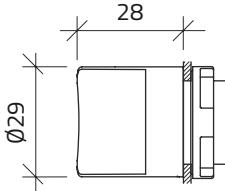


g

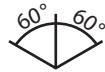
cod

CAM A

| | | |
|-------------------|------|----------|
| ○ Bianco / White | 27,4 | 020SMAN |
| ● Rosso / Red | 27,4 | 020SMAR |
| ● Verde / Green | 27,4 | 020SMAV |
| ● Giallo / Yellow | 27,4 | 020SMAG |
| ● Blu / Blue | 27,4 | 020SMABL |

**CAM B**

| | | |
|-------------------|------|----------|
| ○ Bianco / White | 27,4 | 020SMBN |
| ● Rosso / Red | 27,4 | 020SMBR |
| ● Verde / Green | 27,4 | 020SMBV |
| ● Giallo / Yellow | 27,4 | 020SMBG |
| ● Blu / Blue | 27,4 | 020SMBBL |

**CAM B**

| | | |
|-------------------|------|-----------|
| ○ Bianco / White | 27,4 | 020SMBND |
| ● Rosso / Red | 27,4 | 020SMBRD |
| ● Verde / Green | 27,4 | 020SMBVD |
| ● Giallo / Yellow | 27,4 | 020SMBGD |
| ● Blu / Blue | 27,4 | 020SMBBLD |

**CAM C**

| | | |
|-------------------|------|----------|
| ○ Bianco / White | 27,4 | 020SMCN |
| ● Rosso / Red | 27,4 | 020SMCR |
| ● Verde / Green | 27,4 | 020SMCV |
| ● Giallo / Yellow | 27,4 | 020SMCG |
| ● Blu / Blue | 27,4 | 020SMCBL |

**CAM C**

| | | |
|-------------------|------|----------|
| ○ Bianco / White | 27,4 | 020SMCNS |
| ● Rosso / Red | 27,4 | 020SMCRS |
| ● Verde / Green | 27,4 | 020SMCVS |
| ● Giallo / Yellow | 27,4 | 020SMCGS |
| ● Blu / Blue | 27,4 | 020SMCBL |

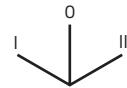


Selettori a manopola Ø22

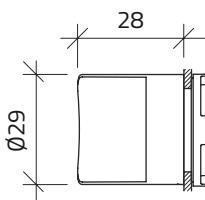
Knob selector switches Ø22

Cercare la combinazione di schemi a pag. 31-32 / See diagram combination on page 31-32

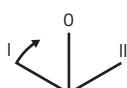
3 posizioni / 3 positions

**CAM O**

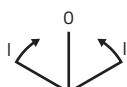
| | | |
|-------------------|------|---------|
| ○ Bianco / White | 27,4 | 020SMON |
| ● Rosso / Red | 27,4 | 020SMOR |
| ● Verde / Green | 27,4 | 020SMOV |
| ● Giallo / Yellow | 27,4 | 020SMOG |
| ● Blu / Blue | 27,4 | 020SMOB |

**CAM O**

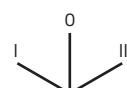
| | | |
|-------------------|------|-----------|
| ○ Bianco / White | 27,4 | 020SMOND |
| ● Rosso / Red | 27,4 | 020SMORD |
| ● Verde / Green | 27,4 | 020SMOVD |
| ● Giallo / Yellow | 27,4 | 020SMOGD |
| ● Blu / Blue | 27,4 | 020SMOBLD |

**CAM O**

| | | |
|-------------------|------|----------|
| ○ Bianco / White | 27,4 | 020SMONS |
| ● Rosso / Red | 27,4 | 020SMORS |
| ● Verde / Green | 27,4 | 020SMOVS |
| ● Giallo / Yellow | 27,4 | 020SMOGS |
| ● Blu / Blue | 27,4 | 020SMOBL |

**CAM O**

| | | |
|-------------------|------|----------|
| ○ Bianco / White | 27,4 | 020SMONC |
| ● Rosso / Red | 27,4 | 020SMORC |
| ● Verde / Green | 27,4 | 020SMOVC |
| ● Giallo / Yellow | 27,4 | 020SMOGC |
| ● Blu / Blue | 27,4 | 020SMOBL |

**CAM T**

| | | |
|-------------------|------|---------|
| ○ Bianco / White | 27,4 | 020SMTN |
| ● Rosso / Red | 27,4 | 020SMTR |
| ● Verde / Green | 27,4 | 020SMTV |
| ● Giallo / Yellow | 27,4 | 020SMTG |
| ● Blu / Blue | 27,4 | 020SMTB |

**CAM T**

| | | |
|-------------------|------|----------|
| ○ Bianco / White | 27,4 | 020SMTND |
| ● Rosso / Red | 27,4 | 020SMTRD |
| ● Verde / Green | 27,4 | 020SMTVD |
| ● Giallo / Yellow | 27,4 | 020SMTGD |
| ● Blu / Blue | 27,4 | 020SMTBD |

**CAM T**

| | | |
|-------------------|------|----------|
| ○ Bianco / White | 27,4 | 020SMTNC |
| ● Rosso / Red | 27,4 | 020SMTRC |
| ● Verde / Green | 27,4 | 020SMTVC |
| ● Giallo / Yellow | 27,4 | 020SMTGC |
| ● Blu / Blue | 27,4 | 020SMTBL |

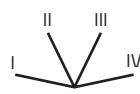
Selettori a manopola Ø22

Knob selector switches Ø22

Cercare la combinazione di schemi a pag. 31-32 / See diagram combination on page 31-32

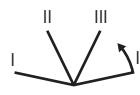


4 posizioni / 4 positions



CAM Q

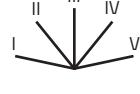
| | | |
|-------------------|------|----------|
| ○ Bianco / White | 27,4 | 020SMQN |
| ● Rosso / Red | 27,4 | 020SMQR |
| ● Verde / Green | 27,4 | 020SMQV |
| ■ Giallo / Yellow | 27,4 | 020SMQG |
| ■ Blu / Blue | 27,4 | 020SMQBL |



CAM U

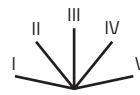
| | | |
|-------------------|------|-----------|
| ○ Bianco / White | 27,4 | 020SMUND |
| ● Rosso / Red | 27,4 | 020SMURD |
| ● Verde / Green | 27,4 | 020SMUVD |
| ■ Giallo / Yellow | 27,4 | 020SMUGD |
| ■ Blu / Blue | 27,4 | 020SMUBLD |

5 posizioni / 5 positions



CAM R

| | | |
|-------------------|------|----------|
| ○ Bianco / White | 27,4 | 020SMRN |
| ● Rosso / Red | 27,4 | 020SMRR |
| ● Verde / Green | 27,4 | 020SMRV |
| ■ Giallo / Yellow | 27,4 | 020SMRG |
| ■ Blu / Blue | 27,4 | 020SMRBL |



CAM V

| | | |
|-------------------|------|----------|
| ○ Bianco / White | 27,4 | 020SMVN |
| ● Rosso / Red | 27,4 | 020SMVR |
| ● Verde / Green | 27,4 | 020SMVV |
| ■ Giallo / Yellow | 27,4 | 020SMVG |
| ■ Blu / Blue | 27,4 | 020SMVBL |



COMANDO E SEGNALAZIONE SM2 Ø22

Selettori luminosi a manopola Ø22

Illuminated knob selector switches Ø22

Cercare la combinazione di schemi a pag. 49-50 / See diagram combination on page 49-50

Selettori luminosi utilizzare max. 2 elementi di contatto / For the illuminated selector switches, use max 2 contact blocks

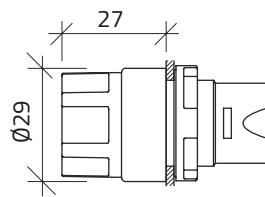
2 posizioni / 2 positions



g cod

CAM A

| | | |
|--------------------|----|-----------|
| ○ Bianco / White | 27 | 020SMLAB |
| ● Rosso / Red | 27 | 020SMLAR |
| ● Verde / Green | 27 | 020SMLAV |
| ● Giallo / Yellow | 27 | 020SMLAG |
| ● Blu / Blue | 27 | 020SMLABL |
| ● Arancio / Orange | 27 | 020SMLAA |

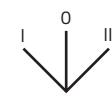


g cod

CAM A

| | | |
|--------------------|----|-----------|
| ○ Bianco / White | 27 | 020SMLABD |
| ● Rosso / Red | 27 | 020SMLARD |
| ● Verde / Green | 27 | 020SMLAVD |
| ● Giallo / Yellow | 27 | 020SMLAGD |
| ● Blu / Blue | 27 | 020SMLABL |
| ● Arancio / Orange | 27 | 020SMLAAD |

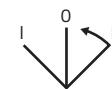
3 posizioni / 3 positions



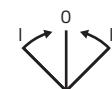
g cod

CAM O

| | | |
|--------------------|----|-----------|
| ○ Bianco / White | 27 | 020SMLOB |
| ● Rosso / Red | 27 | 020SMLOR |
| ● Verde / Green | 27 | 020SMLOV |
| ● Giallo / Yellow | 27 | 020SMLOG |
| ● Blu / Blue | 27 | 020SMLOBL |
| ● Arancio / Orange | 27 | 020SMLOA |

**CAM O**

| | | |
|--------------------|----|------------|
| ○ Bianco / White | 27 | 020SMLOBD |
| ● Rosso / Red | 27 | 020SMLORD |
| ● Verde / Green | 27 | 020SMLOVD |
| ● Giallo / Yellow | 27 | 020SMLOGD |
| ● Blu / Blue | 27 | 020SMLOBLD |
| ● Arancio / Orange | 27 | 020SMLOAD |

**CAM O**

| | | |
|--------------------|----|------------|
| ○ Bianco / White | 27 | 020SMLOBC |
| ● Rosso / Red | 27 | 020SMLORC |
| ● Verde / Green | 27 | 020SMLOVC |
| ● Giallo / Yellow | 27 | 020SMLOGC |
| ● Blu / Blue | 27 | 020SMLOBLC |
| ● Arancio / Orange | 27 | 020SMLOAC |

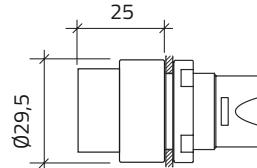
Selettori luminosi a manopola Ø22

Illuminated knob selector switches Ø22

Cercare la combinazione di schemi a pag. 31-32 / See diagram combination on page 31-32



90°



2 posizioni / 2 positions

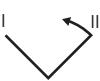


CAM A

| | | |
|--------------------|----|------------|
| ○ Bianco / White | 38 | 020SMTLAB |
| ● Rosso / Red | 38 | 020SMTLAR |
| ● Verde / Green | 38 | 020SMTLAV |
| ● Giallo / Yellow | 38 | 020SMTLAG |
| ● Blu / Blue | 38 | 020SMTLABL |
| ● Arancio / Orange | 38 | 020SMTLAA |

g

cod



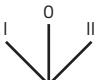
CAM A

| | | |
|--------------------|----|-------------|
| ○ Bianco / White | 38 | 020SMTLADB |
| ● Rosso / Red | 38 | 020SMTLARD |
| ● Verde / Green | 38 | 020SMTLAVD |
| ● Giallo / Yellow | 38 | 020SMTLAGD |
| ● Blu / Blue | 38 | 020SMTLABLD |
| ● Arancio / Orange | 38 | 020SMTLAAD |

g

cod

3 posizioni / 3 positions

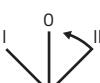


CAM O

| | | |
|--------------------|----|------------|
| ○ Bianco / White | 38 | 020SMTLOB |
| ● Rosso / Red | 38 | 020SMTLOR |
| ● Verde / Green | 38 | 020SMTLOV |
| ● Giallo / Yellow | 38 | 020SMTLOG |
| ● Blu / Blue | 38 | 020SMTLOBL |
| ● Arancio / Orange | 38 | 020SMTLOA |

g

cod



CAM O

| | | |
|--------------------|----|-------------|
| ○ Bianco / White | 38 | 020SMTLOBD |
| ● Rosso / Red | 38 | 020SMTLORD |
| ● Verde / Green | 38 | 020SMTLOVD |
| ● Giallo / Yellow | 38 | 020SMTLOGD |
| ● Blu / Blue | 38 | 020SMTLOBLD |
| ● Arancio / Orange | 38 | 020SMTLOAD |

g

cod



CAM O

| | | |
|--------------------|----|-------------|
| ○ Bianco / White | 38 | 020SMTLOBC |
| ● Rosso / Red | 38 | 020SMTLORC |
| ● Verde / Green | 38 | 020SMTLOVC |
| ● Giallo / Yellow | 38 | 020SMTLOGC |
| ● Blu / Blue | 38 | 020SMTLOBLC |
| ● Arancio / Orange | 38 | 020SMTLOAC |



COMANDO E SEGNALAZIONE SM2 Ø22

Selettori a chiave Ø22

Key selector switches Ø22

Cercare la combinazione di schemi a pag. 31-32 / See diagram combination on page 31-32

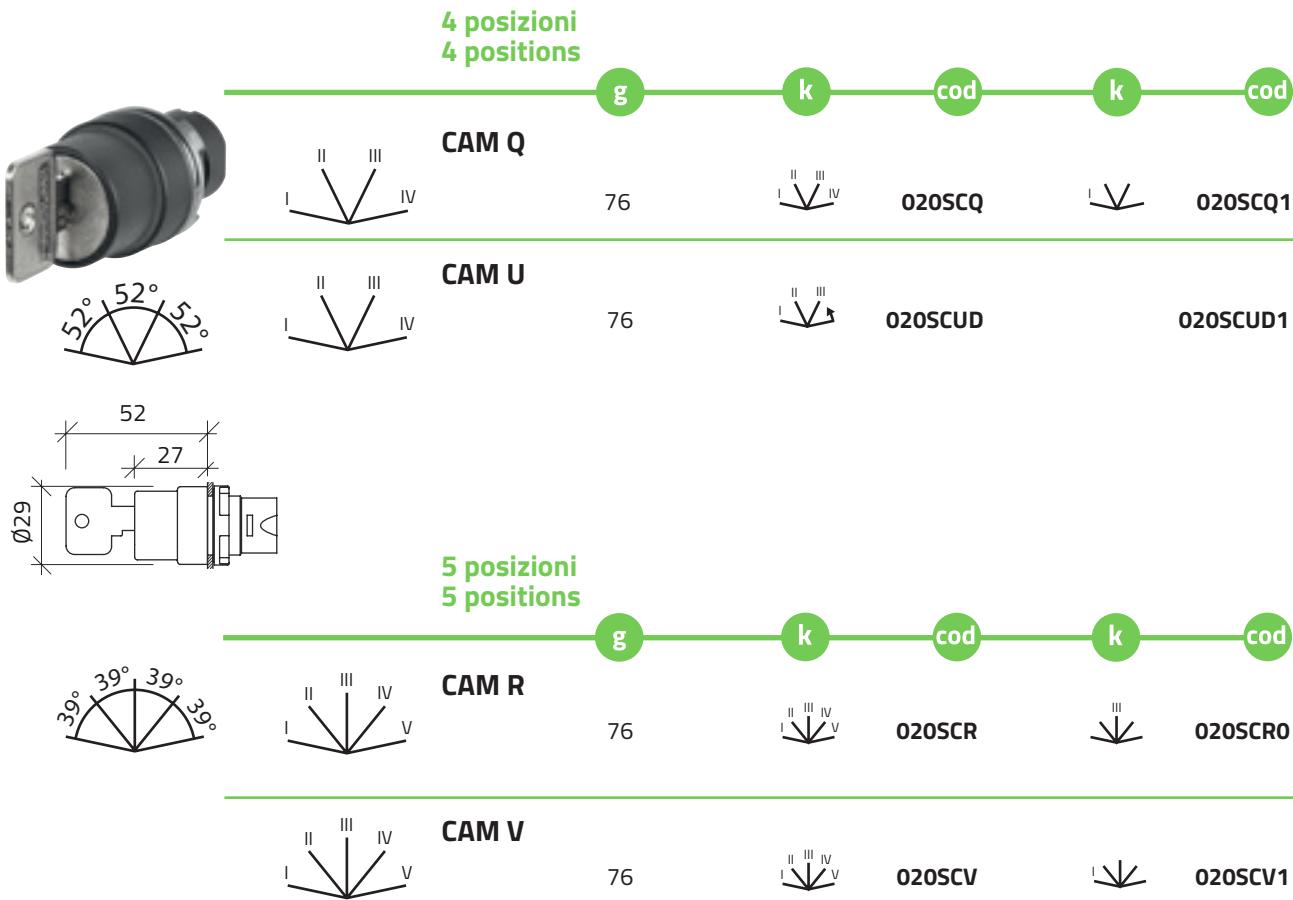
| 2 posizioni 2 positions | |
|----------------------------|------------------------------|
| | CAM A |
| 76 | g — k — cod — k — cod |
| | |
| 76 | 020SCA |
| | |
| 76 | 020SCA2 |
| | |
| 76 | 020SCA1 |
| | |
| CAM B | |
| | |
| 76 | 0 — 0 — 020SCB — 0 — 020SCBD |
| | |
| 76 | 020SCB |
| | |
| 76 | 020SCB2 |
| | |
| 76 | 020SCBO |
| CAM C | |
| | |
| 76 | 0 — 0 — 020SCC — 0 — 020SCCS |
| | |
| 76 | 020SCC |
| | |
| 76 | 020SCCO |
| | |
| 76 | 020SCC1 |
| 3 posizioni 3 positions | |
| | CAM O |
| 76 | g — k — cod — k — cod |
| | |
| 76 | 020SCO — 0 — 020SCOC |
| | |
| 76 | 020SCOO — 0 — 020SCOD |
| | |
| 76 | 020SCO10 — 0 — 020SCOD1 |
| | |
| 76 | 020SCO02 — 0 — 020SCODO |
| | |
| 76 | 020SCO1 — 0 — 020SCOS |
| | |
| 76 | 020SCO2 — 0 — 020SCOS2 |
| | |
| 76 | 020SCO12 — 0 — 020SCOS0 |
| CAM T | |
| | |
| 76 | 0 — 0 — 020SCT — 0 — 020SCTC |
| | |
| 76 | 020SCT — 0 — 020SCTD |
| | |
| 76 | 020SCT0 — 0 — 020SCTD0 |
| | |
| 76 | 020SCT10 — 0 — 020SCTD1 |
| | |
| 76 | 020SCT02 — 0 — 020SCTD1 |
| | |
| 76 | 020SCT1 — 0 — 020SCT2 |
| | |
| 76 | 020SCT2 — 0 — 020SCT12 |

COMANDO E SEGNALAZIONE SM2 Ø22

Selettori a chiave Ø22

Key selector switches Ø22

Cercare la combinazione di schemi a pag. 31-32 / See diagram combination on page 31-32



Chiavi speciali Special keys



Chiave standard 3095, per chiavi speciali far seguire al codice del selettore il suffisso
Standard key 3095, for special keys complete the selector code with the suffix

| | | |
|--------------------|-------|-----|
| ● Nero / Black | 73034 | K34 |
| ● Rosso / Red | 73037 | K37 |
| ● Giallo / Yellow | 73033 | K33 |
| ● Blu / Blue | 73038 | K38 |
| ● Arancio / Orange | 73040 | K40 |

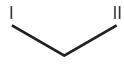
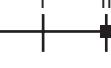
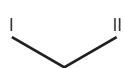
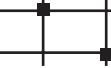
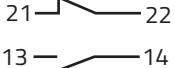
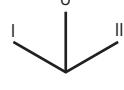
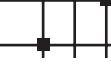
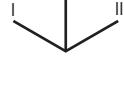
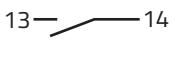
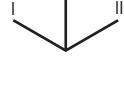
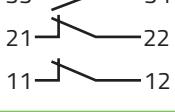
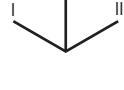
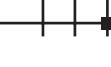
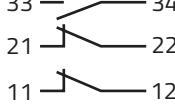
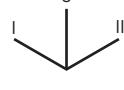
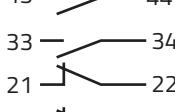
| | |
|------|-----|
| 3353 | K53 |
| 9901 | K01 |
| 9902 | K02 |
| 9903 | K03 |
| 9904 | K04 |
| 9905 | K05 |
| 9910 | K10 |
| 9916 | K16 |
| 9919 | K19 |



COMANDO E SEGNALAZIONE SM2 Ø22

Combinazione di schemi

Diagram combination

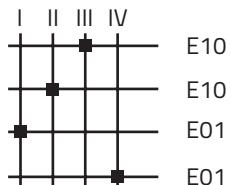
| | | Schema Diagram | Contatti flangiati Flanged contacts |
|---|--------------|---|--|
|  | CAM A |  |  E10 |
|  | CAM A |  |  E01 E10 |
|  | CAM B |  |  E01 E10 |
|  | CAM C |  |  E01 E10 |
|  | CAM O |  |  E10 E10 |
|  | CAM O |  |  E01 E10 |
|  | CAM O |  |  E10 E10 E01 E01 E01 |
|  | CAM T |  |  E01 E10 |
|  | CAM T |  |  E10 E01 E01 E01 E01 |
|  | CAM T |  |  E10 E10 E01 E01 E01 |

Combinazione di schemi

Diagram combination

**CAM Q**

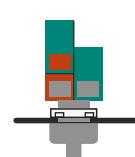
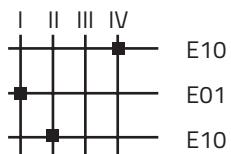
- 43 — 44
- 33 — 34
- 21 — 22
- 11 — 12

Schema Diagram**Contatti flangiati**
Flanged contacts

020E10
020E10
020E01
020E01
020G

**CAM U**

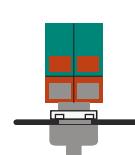
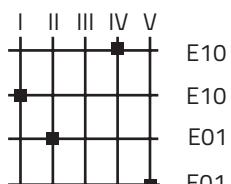
- 43 — 44
- 21 — 22
- 13 — 14



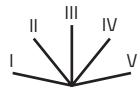
020E10
020E10
020E01
020G

**CAM R**

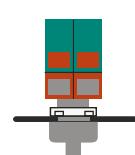
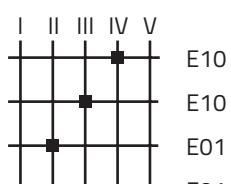
- 43 — 44
- 33 — 34
- 21 — 22
- 11 — 12



020E10
020E10
020E01
020E01
020G

**CAM V**

- 43 — 44
- 33 — 34
- 21 — 22
- 11 — 12



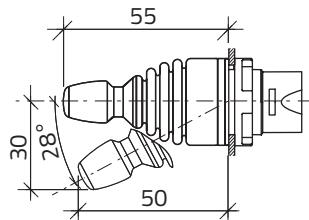
020E10
020E10
020E01
020E01
020G



COMANDO E SEGNALAZIONE SM2 Ø22

Manipolatori H 55 Ø22

Joysticks H 55 Ø22



2 posizioni 2 positions

| | | | | g | cod |
|---|------------|-----|----------------------------|----|--------------------|
| ① | ● RAL 7016 | 1-2 | permanenti / maintained | 40 | O20MT2P |
| ② | ● RAL 7016 | 1-2 | temporanee / spring return | 40 | O20MT2T |
| ③ | ● RAL 7035 | 1-2 | temporanee / spring return | 40 | O20MT2TGR |
| ④ | ● RAL 7016 | 1 | permanente / maintained | | |
| ⑤ | ● RAL 7016 | 2 | temporanea / spring return | 40 | O20MT1P1T |
| ⑥ | ● RAL 7035 | 1 | permanente / maintained | | |
| ⑦ | ● RAL 7035 | 2 | temporanea / spring return | 40 | O20MT1P1TGR |



3 posizioni 3 positions

| | | | | g | cod |
|---|------------|-------|----------------------------|----|------------------|
| ① | ● RAL 7016 | 1-2-3 | permanenti / maintained | 40 | O20MT3P |
| ② | ● RAL 7016 | 1-2-3 | temporanee / spring return | 40 | O20MT3T |
| ③ | ● RAL 7035 | 1-2-3 | temporanee / spring return | 40 | O20MT3TGR |

4 posizioni 4 positions

| | | | | g | cod |
|---|------------|---------|----------------------------|----|--------------------|
| ① | ● RAL 7016 | 1-2-3-4 | permanenti / maintained | 40 | O20MT4P |
| ③ | ● RAL 7035 | 1-2-3-4 | permanenti / maintained | 40 | O20MT4PGR |
| ② | ● RAL 7016 | 1-2-3-4 | temporanee / spring return | 40 | O20MT4T |
| ④ | ● RAL 7035 | 1-2-3-4 | temporanee / spring return | 40 | O20MT4TGR |
| ⑤ | ● RAL 7016 | 2-3-4 | permanente / maintained | | |
| ⑥ | ● RAL 7016 | 2-3-4 | temporanea / spring return | 40 | O20MT1P3T |
| ⑦ | ● RAL 7035 | 2-3-4 | permanente / maintained | | |
| ⑧ | ● RAL 7035 | 2-3-4 | temporanea / spring return | 40 | O20MT1P3TGR |
| ⑨ | ● RAL 7016 | 1-2-3 | permanenti / maintained | | |
| ⑩ | ● RAL 7016 | 4 | temporanee / spring return | 40 | O20MT1T3P |
| ⑪ | ● RAL 7035 | 1-2-3 | permanenti / maintained | | |
| ⑫ | ● RAL 7035 | 4 | temporanee / spring return | 40 | O20MT1T3PGR |
| ⑬ | ● RAL 7016 | 1-2 | permanenti / maintained | | |
| ⑭ | ● RAL 7016 | 3-4 | temporanee / spring return | 40 | O20MT2P2T |
| ⑮ | ● RAL 7035 | 1-2 | permanenti / maintained | | |
| ⑯ | ● RAL 7035 | 3-4 | temporanee / spring return | 40 | O20MT2P2TGR |

COMANDO E SEGNALAZIONE SM2 Ø22

Manipolatori H 45 Ø22

Joysticks H 45 Ø22

| 2 posizioni 2 positions | | | | | |
|----------------------------|------------|---------|----------------------------|----|---------------------|
| | | | | g | cod |
| ① | ● RAL 7016 | 1-2 | permanenti / maintained | 40 | O20MTR2P |
| ② | ● RAL 7016 | 1-2 | temporanee / spring return | 40 | O20MTR2T |
| ③ | ● RAL 7016 | 1 | permanente / maintained | 40 | O20MTR1P1T |
| ④ | ● RAL 7016 | 2 | temporanea / spring return | 40 | O20MTR1P1TGR |
| ⑤ | ● RAL 7035 | 1 | permanente / maintained | 40 | O20MTR2PGR |
| ⑥ | ● RAL 7035 | 2 | temporanea / spring return | 40 | O20MTR2TGR |
| ⑦ | ● RAL 7035 | 1 | permanente / maintained | 40 | O20MTR1P1TGR |
| ⑧ | ● RAL 7035 | 2 | temporanea / spring return | 40 | O20MTR1P1TGR |
| 3 posizioni 3 positions | | | | | |
| | | | | g | cod |
| ① | ● RAL 7016 | 1-2-3 | permanenti / maintained | 40 | O20MTR3P |
| ② | ● RAL 7016 | 1-2-3 | temporanee / spring return | 40 | O20MTR3T |
| ③ | ● RAL 7035 | 1-2-3 | permanente / maintained | 40 | O20MTR3PGR |
| ④ | ● RAL 7035 | 1-2-3 | temporanea / spring return | 40 | O20MTR3TGR |
| 4 posizioni 4 positions | | | | | |
| | | | | g | cod |
| ① | ● RAL 7016 | 1-2-3-4 | permanenti / maintained | 40 | O20MTR4P |
| ② | ● RAL 7016 | 1-2-3-4 | temporanee / spring return | 40 | O20MTR4T |
| ③ | ● RAL 7035 | 1-2-3-4 | permanente / maintained | 40 | O20MTR4PGR |
| ④ | ● RAL 7035 | 1-2-3-4 | temporanea / spring return | 40 | O20MTR4TGR |
| ⑤ | ● RAL 7016 | 1 | permanente / maintained | 40 | O20MTR1P3T |
| ⑥ | ● RAL 7016 | 2-3-4 | temporanea / spring return | 40 | O20MTR1P3TGR |
| ⑦ | ● RAL 7035 | 1 | permanente / maintained | 40 | O20MTR1P3TGR |
| ⑧ | ● RAL 7035 | 2-3-4 | temporanea / spring return | 40 | O20MTR1P3TGR |
| ⑨ | ● RAL 7016 | 1-2-3 | permanenti / maintained | 40 | O20MTR1T3P |
| ⑩ | ● RAL 7016 | 4 | temporanee / spring return | 40 | O20MTR1T3PGR |
| ⑪ | ● RAL 7035 | 1-2-3 | permanente / maintained | 40 | O20MTR1T3PGR |
| ⑫ | ● RAL 7035 | 4 | temporanea / spring return | 40 | O20MTR1T3PGR |
| ⑬ | ● RAL 7016 | 1-2 | permanenti / maintained | 40 | O20MTR2P2T |
| ⑭ | ● RAL 7016 | 3-4 | temporanee / spring return | 40 | O20MTR2P2T |
| ⑮ | ● RAL 7035 | 1-2 | permanenti / maintained | 40 | O20MTR2P2TGR |
| ⑯ | ● RAL 7035 | 3-4 | temporanea / spring return | 40 | O20MTR2P2TGR |



COMANDO E SEGNALAZIONE SM2 Ø22

Manipolatori H 45 Ø22

Joysticks H 45 Ø22

Manipolatori speciali 3 posizioni Special joysticks 3 positions



①
② → ③ ← ③

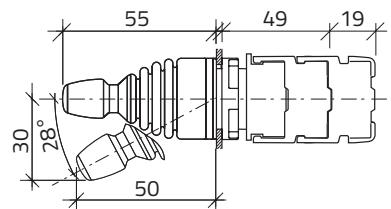
● RAL 7016

1-2-3 permanenti / maintained

90 020MT1P2T21A

g

cod



Manipolatori speciali 4 posizioni Special joysticks 4 positions



③ ↓
① ↓
③ ↑
② ↑
④ ↑

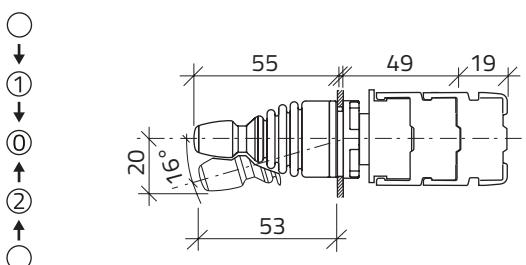
● RAL 7016

1-2-3-4 temporanee / spring return

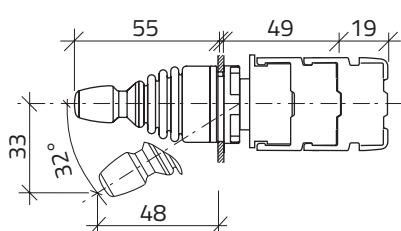
90 020MT4TL40AR

g

cod

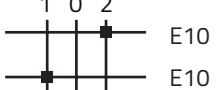
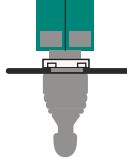
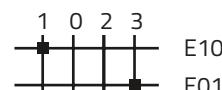
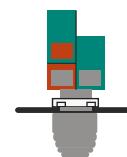
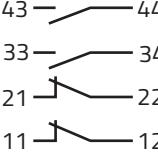
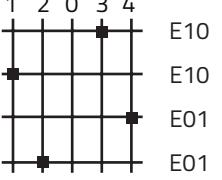
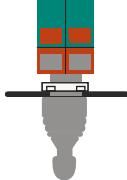
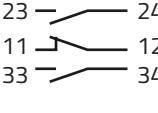
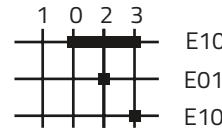
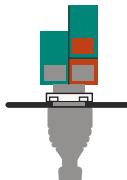
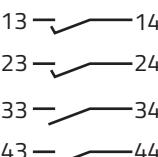
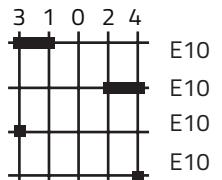


③ ↓
○ ↓
○ ↑
○ ↑
④ ↑



Combinazione di schemi

Diagram combination

| | Schema Diagram | Contatti flangiati Flanged contacts |
|------------------|---|--|
| ① ② ③ |   |  020E10 020E10 020G |
| ① ② ③ ④ |   |  020E10 020E10 020E01 020G |
| ① ③ ④ ② |   |  020E10 020E10 020E01 020E01 020G |
| ① ② → ① ← ③ |   |  020E10 020E01 020E10SA 020G |
| ③ ① ② ④ |   |  020E10 020E10 020E10 020G |



COMANDO E SEGNALAZIONE SM2 Ø22

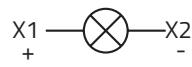
Portalampada BA9S

Lampholders BA9S

Portalampada / Lampholders



Alimentazione diretta / Direct supply



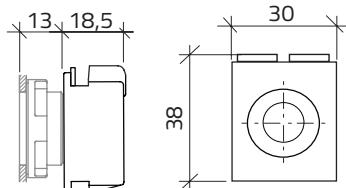
IEC: BA9S 400V. max 2W

UL - CSA: BA9S 250V. max 2W
lampadina non inclusa / bulb not included

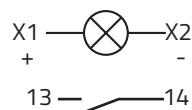
16 10 020PD9

UL - CSA: BA9S 250V. max 2W terminali ad occhiello / ring lug

16 10 020PD9TO



Alimentazione diretta / Direct supply

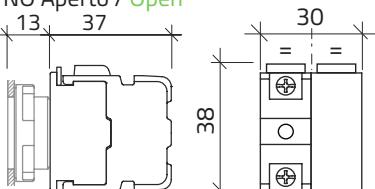


IEC: BA9S 400V. max 2W

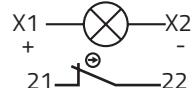
UL - CSA: BA9S 250V. max 2W
lampadina non inclusa / bulb not included

26 5 020PD910

13 - 14 1 NO Aperto / Open



Alimentazione diretta / Direct supply

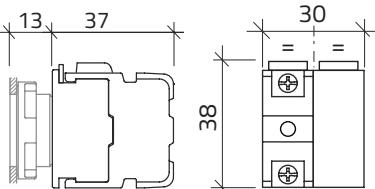


IEC: BA9S 400V. max 2W

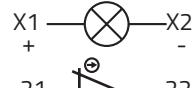
UL - CSA: BA9S 250V. max 2W
lampadina non inclusa / bulb not included

26 5 020PD901

21 - 22 1 NC Chiuso / Closed



Alimentazione diretta / Direct supply



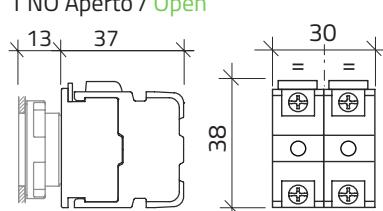
IEC: BA9S 400V. max 2W

UL - CSA: BA9S 250V. max 2W
lampadina non inclusa / bulb not included

26 5 020PD911

21 - 22 1 NC Chiuso / Closed

13 - 14 1 NO Aperto / Open



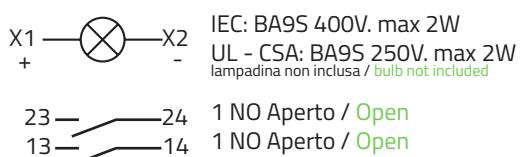
Portalampada BA9S Lampholders BA9S



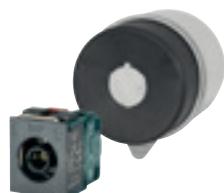
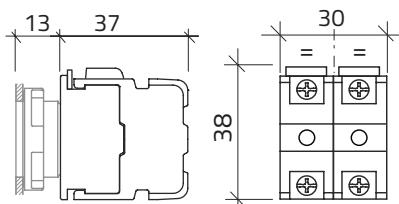
Portalampada / Lampholders

g **n** **cod**

Alimentazione diretta / Direct supply



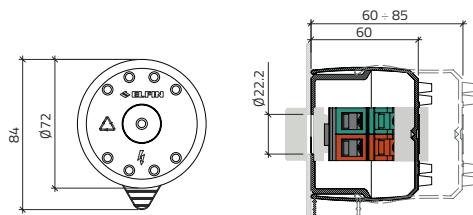
37 5 020PD920



Alimentazione diretta / Direct supply



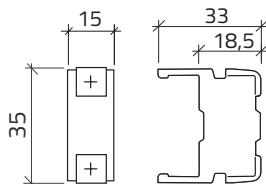
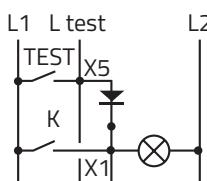
95 020PD911CP



X1 •—• X5

Elemento prova lampada / Lamp test module

Per controllo di funzionamento lampade
Checking lamps for good operation

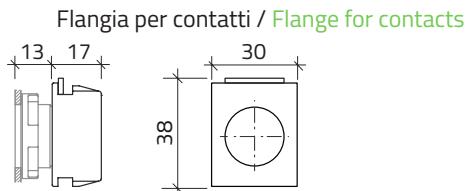


16 020ET

Elementi di contatto

Contact blocks

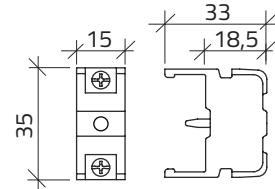
Elementi di contatto / Contact blocks



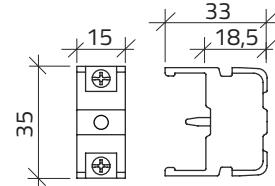
g 8 10 cod
n 020G



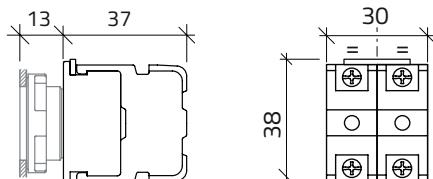
| | | | | |
|-------|--|----|----|----------|
| 3 — 4 | 1 NO | 10 | 10 | 020E10 |
| 3 — 4 | 1 NO Chiusura anticipata / 1 NO Early make | 10 | 5 | 020E10A |
| 3 — 4 | 1 NO Contatti dorati e viti terminali inox. Idoneo per ambienti con fenomeni di corrosione Gold-plated contacts and stainless steel terminal screws suitable for corrosive environment | 10 | 5 | 020E10AU |
| 3 — 4 | 1 NO Terminale ad occhiello / Ring lug | 10 | 5 | 020E10TO |



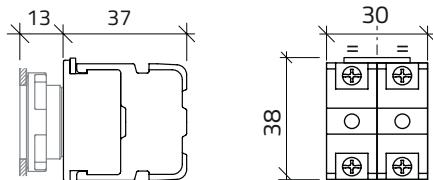
| | | | | |
|-------|--|----|----|----------|
| 1 — 2 | 1 NC | 10 | 10 | 020E01 |
| 1 — 2 | 1 NC Apertura ritardata / 1 NC Late break | 10 | 5 | 020E01R |
| 1 — 2 | 1 NC Contatti dorati e viti terminali inox. Idoneo per ambienti con fenomeni di corrosione Gold-plated contacts and stainless steel terminal screws suitable for corrosive environment | 10 | 5 | 020E01AU |
| 1 — 2 | 1 NC Terminale ad occhiello / 1 NC Ring lug | 10 | 5 | 020E01TO |



| | | | | |
|---------|------------------------------------|----|---|---------|
| 13 — 14 | 1 NO con flangia / 1NO with flange | 19 | 5 | 020GE10 |
|---------|------------------------------------|----|---|---------|



| | | | | |
|---------|------------------------------------|----|---|---------|
| 21 — 22 | 1 NC con flangia / 1NC with flange | 19 | 5 | 020GE01 |
|---------|------------------------------------|----|---|---------|

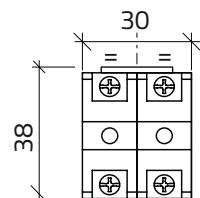
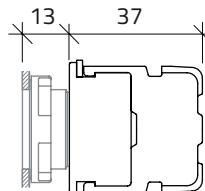


Elementi di contatto

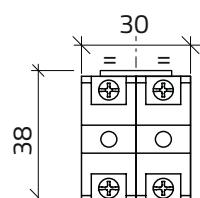
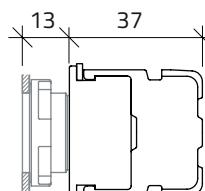
Contact blocks



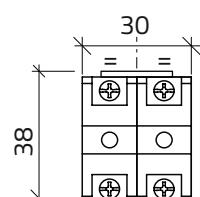
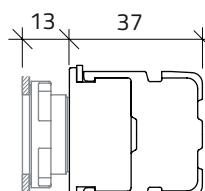
Elementi di contatto / Contact blocks

21 - 22
13 - 141 NC con flangia / 1NC with flange
1 NO con flangia / 1NO with flange

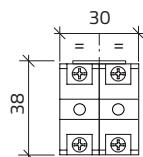
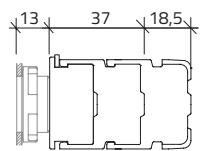
19 5 020GE11

23 - 24
13 - 141 NO con flangia / 1NO with flange
1 NO con flangia / 1NO with flange

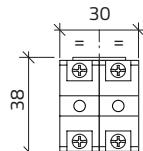
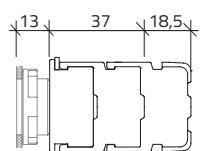
19 5 020GE20

21 - 22
11 - 121 NC con flangia / 1NC with flange
1 NC con flangia / 1NC with flange

19 5 020GE02

33 - 34
21 - 22
13 - 142 NO con flangia / 2NO with flange
1 NC con flangia / 1 NC with flange

50 5 020GE21

43 - 44
33 - 34
21 - 22
11 - 122 NO con flangia / 2NO with flange
2 NC con flangia / 2 NC with flange

50 5 020GE22

COMANDO E SEGNALAZIONE SM2 Ø22

Elementi di contatto

Contact blocks

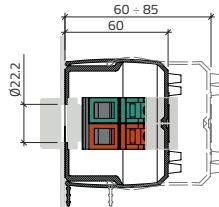
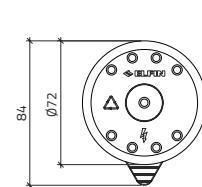
Elementi di contatto / Contact blocks



21
22
13
14

1 NC con flangia, con cappuccio di protezione / 1NC with flange, with protective cap
1 NO con flangia con cappuccio di protezione / 1NO with flange with protective cap

88 5 020GE11CP



g

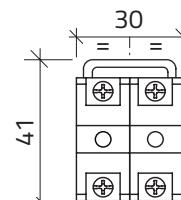
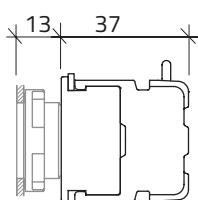
n

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11
24

Elemento di contatto con automonitoraggio
Contact block with self-monitoring



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19

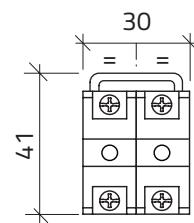
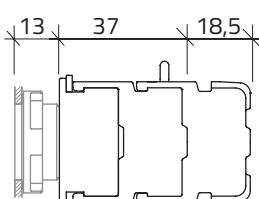
5

020GE01S



11
24
31
32

Elemento di contatto con automonitoraggio
Contact block with self-monitoring



19

5

020GE02S

Pulsanti normali Ø22 Ghiera in metallo

Normal push-buttons Ø22 Metal bezel



Pulsanti normali / Normal push-buttons

g

cod

Pulsanti con guardia / Guarded push-buttons

| | | |
|--------------------|----|------------|
| ● Nero / Black | 33 | O2OPTAINW |
| ● Rosso / Red | 33 | O2OPTAIRW |
| ● Verde / Green | 33 | O2OPTAIVW |
| ● Giallo / Yellow | 33 | O2OPTAIGW |
| ● Blu / Blue | 33 | O2OPTAIBLW |
| ○ Bianco / White | 33 | O2OPTAIBW |
| ● Grigio / Grey | 33 | O2OPTAIGRW |
| ● Arancio / Orange | 33 | O2OPTAIW |

Stabili / Maintained

| | | |
|-----------------|----|------------|
| ● Nero / Black | 33 | O2OPPTAINW |
| ● Rosso / Red | 33 | O2OPPTAIRW |
| ● Verde / Green | 33 | O2OPPTAIVW |



Pulsanti sporgenti / Projecting push-buttons

| | | |
|-------------------|----|------------|
| ● Nero / Black | 34 | O2OPTASNW |
| ● Rosso / Red | 34 | O2OPTASRW |
| ● Verde / Green | 34 | O2OPTASVW |
| ● Giallo / Yellow | 34 | O2OPTASGW |
| ● Blu / Blue | 34 | O2OPTASBLW |
| ○ Bianco / White | 34 | O2OPTASBW |
| ● Grigio / Grey | 34 | O2OPTASGRW |

Stabili / Maintained

| | | |
|-----------------|----|------------|
| ● Nero / Black | 34 | O2OPPTASNW |
| ● Rosso / Red | 34 | O2OPPTASRW |
| ● Verde / Green | 34 | O2OPPTASVW |



Pulsanti a fungo Ø40 / Mushroom push-buttons Ø40

| | | |
|-------------------|----|------------|
| ● Nero / Black | 44 | O2OPTAFNW |
| ● Rosso / Red | 44 | O2OPTAFRW |
| ● Verde / Green | 44 | O2OPTAFVW |
| ● Giallo / Yellow | 44 | O2OPTAFGW |
| ● Blu / Blue | 44 | O2OPTAFBLW |

Stabili / Maintained

| | | |
|-------------------|----|------------|
| ● Verde / Green | 44 | O2OPPTAFVW |
| ● Giallo / Yellow | 44 | O2OPPTAFGW |

Pulsanti a fungo oscillanti Ø40 Floating mushroom push-buttons Ø40

g

cod

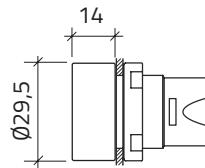


| | | |
|----------------|----|------------|
| ● Nero / Black | 44 | O2OPTAFONK |
| ● Rosso / Red | 44 | O2OPTAFORK |



Pulsanti luminosi Ø22 Ghiera in metallo

Illuminated push-buttons Ø22 Metal bezel



Pulsanti luminosi / Illuminated push-buttons

g

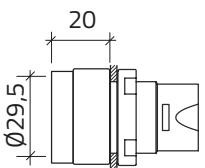
cod

Pulsanti con guardia / Guarded push-buttons

| | | |
|-----------------------|----|-------------|
| ● Rosso / Red | 33 | 02OPTAILRW |
| ● Verde / Green | 33 | 02OPTAILVW |
| ● Giallo / Yellow | 33 | 02OPTAILGW |
| ● Blu / Blue | 33 | 02OPTAILBLW |
| ○ Bianco / White | 33 | 02OPTAILBW |
| ● Arancio / Orange | 33 | 02OPTAILAW |
| ○ Trasparente / Clear | 33 | 02OPTAILIW |

Stabili / Maintained

| | | |
|-------------------|----|-------------|
| ● Rosso / Red | 33 | 02OPPTAILRW |
| ● Verde / Green | 33 | 02OPPTAILVW |
| ● Giallo / Yellow | 33 | 02OPPTAILGW |

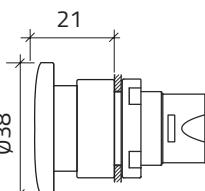


Pulsanti sporgenti / Projecting push-buttons

| | | |
|-----------------------|----|-------------|
| ● Rosso / Red | 35 | 02OPTASLRW |
| ● Verde / Green | 35 | 02OPTASLVW |
| ● Giallo / Yellow | 35 | 02OPTASLGW |
| ● Blu / Blue | 35 | 02OPTASLBLW |
| ○ Bianco / White | 35 | 02OPTASLBW |
| ● Arancio / Orange | 35 | 02OPTASLAW |
| ○ Trasparente / Clear | 35 | 02OPTASLIW |

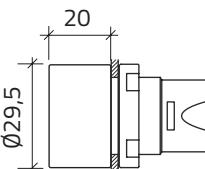
Stabili / Maintained

| | | |
|-------------------|----|-------------|
| ● Rosso / Red | 35 | 02OPPTASLRW |
| ● Verde / Green | 35 | 02OPPTASLVW |
| ● Giallo / Yellow | 35 | 02OPPTASLGW |



Pulsanti a fungo Ø38 / Mushroom push-buttons Ø38

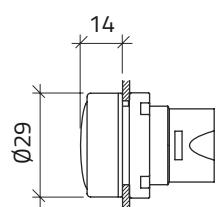
| | | |
|-----------------------------|----|-------------|
| ● Rosso / Red | 36 | 02OPTAFLRW |
| ● Verde / Green | 36 | 02OPTAFLVW |
| ● Giallo / Yellow | 36 | 02OPTAFLGW |
| Stabili / Maintained | | |
| ● Rosso / Red | 36 | 02OPPTAFLRW |
| ● Giallo / Yellow | 36 | 02OPPTAFLGW |



Pulsanti con guardia completa / Push-buttons with full guard

| | | |
|-----------------------|----|-------------|
| ● Rosso / Red | 29 | 02OPTSSLRW |
| ● Verde / Green | 29 | 02OPTSSLVW |
| ● Giallo / Yellow | 29 | 02OPTSSLGW |
| ● Blu / Blue | 29 | 02OPTSSLBLW |
| ○ Bianco / White | 29 | 02OPTSSLBW |
| ● Arancio / Orange | 29 | 02OPTSSLAW |
| ○ Trasparente / Clear | 29 | 02OPTSSLIW |

COMANDO E SEGNALAZIONE SM2 Ø22

Lampade spia Ø22 Ghiera in metallo
Pilot lights Ø22 Metal bezelLampade spia inviolabile
Tamper-proof pilot lights

| | g | cod |
|-----------------------|----|------------|
| ● Rosso / Red | 30 | 020LTBBRW |
| ● Verde / Green | 30 | 020LTBBVW |
| ● Giallo / Yellow | 30 | 020LTBBGW |
| ● Blu / Blue | 30 | 020LTBBBLW |
| ○ Bianco / White | 30 | 020LTBBBW |
| ○ Trasparente / Clear | 30 | 020LTBBIW |
| ● Arancio / Orange | 30 | 020LTBBAW |

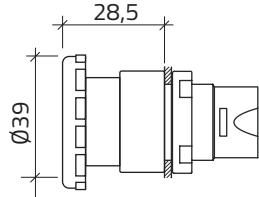


COMANDO E SEGNALAZIONE SM2 Ø22

Pulsanti d' emergenza Ø22 Ghiera in metallo

Emergency stop push-buttons Ø22 Metal bezel

Pulsante a fungo ad aggancio Ø40
Latching mushroom push-button Ø40



Sgancio rotazione / Twist release

● Rosso / Red

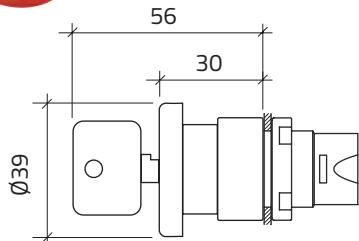
45

020PTAARW

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cod

Pulsante a fungo a chiave Ø40
Key mushroom push-button Ø40



Sgancio a chiave / Key release

chiave 73037 con impugnatura colore rosso / key 73037 with red cap

● Rosso / Red

94

020PTHCRW

g

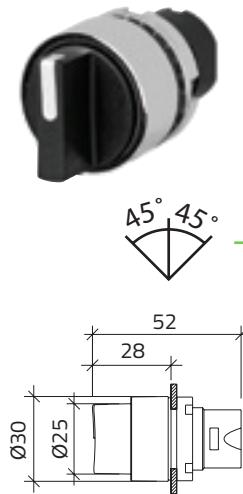
cod

COMANDO E SEGNALAZIONE SM2 Ø22

Selettori a manopola Ø22 Ghiera in metallo

Knob selector switches Ø22 Metal bezel

Cercare la combinazione di schemi a pag. 49-50 / See diagram combination on page 49-50



2 posizioni / 2 positions

g cod

CAM A

| | | |
|-------------------|----|--------------------|
| ● Nero / Black | 38 | 020STAMANW |
| ● Rosso / Red | 38 | 020STAMARW |
| ● Verde / Green | 38 | 020STAMAVW |
| ● Giallo / Yellow | 38 | 020STAMAGW |
| ● Blu / Blue | 38 | 020STAMABLW |

CAM B

| | | |
|-------------------|----|--------------------|
| ● Nero / Black | 38 | 020STAMBNW |
| ● Rosso / Red | 38 | 020STAMBRW |
| ● Verde / Green | 38 | 020STAMBVW |
| ● Giallo / Yellow | 38 | 020STAMBGW |
| ● Blu / Blue | 38 | 020STAMBBLW |

CAM B

| | | |
|-------------------|----|---------------------|
| ● Nero / Black | 38 | 020STAMBNW |
| ● Rosso / Red | 38 | 020STAMBRWD |
| ● Verde / Green | 38 | 020STAMBVWD |
| ● Giallo / Yellow | 38 | 020STAMBGWD |
| ● Blu / Blue | 38 | 020STAMBBLWD |

CAM C

| | | |
|-------------------|----|--------------------|
| ● Nero / Black | 38 | 020STAMCNW |
| ● Rosso / Red | 38 | 020STAMCRW |
| ● Verde / Green | 38 | 020STAMCVW |
| ● Giallo / Yellow | 38 | 020STAMCGW |
| ● Blu / Blue | 38 | 020STAMCBLW |

CAM C

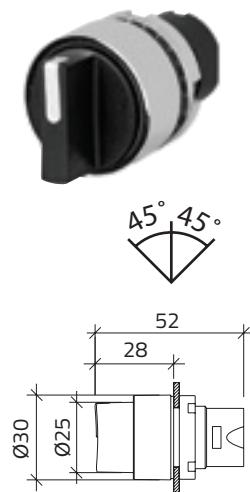
| | | |
|-------------------|----|---------------------|
| ● Nero / Black | 38 | 020STAMCNWS |
| ● Rosso / Red | 38 | 020STAMCRWS |
| ● Verde / Green | 38 | 020STAMCVWS |
| ● Giallo / Yellow | 38 | 020STAMCGWS |
| ● Blu / Blue | 38 | 020STAMCBLWS |



Selettori a manopola Ø22 Ghiera in metallo

Knob selector switches Ø22 Metal bezel

Cercare la combinazione di schemi a pag. 49-50 / See diagram combination on page 49-50



3 posizioni / 3 positions

g

cod

CAM O

| | | |
|-------------------|----|-------------|
| ● Nero / Black | 38 | 020STAMONW |
| ● Rosso / Red | 38 | 020STAMORW |
| ● Verde / Green | 38 | 020STAMOVW |
| ● Giallo / Yellow | 38 | 020STAMOGW |
| ● Blu / Blue | 38 | 020STAMOBLW |

CAM O

| | | |
|-------------------|----|--------------|
| ● Nero / Black | 38 | 020STAMONWD |
| ● Rosso / Red | 38 | 020STAMORWD |
| ● Verde / Green | 38 | 020STAMOVWD |
| ● Giallo / Yellow | 38 | 020STAMOGWD |
| ● Blu / Blue | 38 | 020STAMOBLWD |

CAM O

| | | |
|-------------------|----|--------------|
| ● Nero / Black | 38 | 020STAMONWS |
| ● Rosso / Red | 38 | 020STAMORWS |
| ● Verde / Green | 38 | 020STAMOVWS |
| ● Giallo / Yellow | 38 | 020STAMOGWS |
| ● Blu / Blue | 38 | 020STAMOBLWS |

CAM O

| | | |
|-------------------|----|--------------|
| ● Nero / Black | 38 | 020STAMONWC |
| ● Rosso / Red | 38 | 020STAMORWC |
| ● Verde / Green | 38 | 020STAMOVWC |
| ● Giallo / Yellow | 38 | 020STAMOGWC |
| ● Blu / Blue | 38 | 020STAMOBLWC |

CAM E

| | | |
|----------------|----|------------|
| ● Nero / Black | 38 | 020STAMENW |
|----------------|----|------------|

CAM E

| | | |
|----------------|----|-------------|
| ● Nero / Black | 38 | 020STAMENWD |
|----------------|----|-------------|

CAM T

| | | |
|-------------------|----|-------------|
| ● Nero / Black | 38 | 020STAMTNW |
| ● Rosso / Red | 38 | 020STAMTRW |
| ● Verde / Green | 38 | 020STAMTVW |
| ● Giallo / Yellow | 38 | 020STAMTGW |
| ● Blu / Blue | 38 | 020STAMTBLW |

CAM T

| | | |
|-------------------|----|--------------|
| ● Nero / Black | 38 | 020STAMTNWD |
| ● Rosso / Red | 38 | 020STAMTRWD |
| ● Verde / Green | 38 | 020STAMTVWD |
| ● Giallo / Yellow | 38 | 020STAMTGWD |
| ● Blu / Blue | 38 | 020STAMTBLWD |

COMANDO E SEGNALAZIONE SM2 Ø22

Selettori a manopola Ø22 Ghiera in metallo

Knob selector switches Ø22 Metal bezel

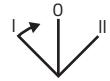
Cercare la combinazione di schemi a pag. 49-50 / See diagram combination on page 49-50



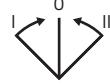
3 posizioni / 3 positions

g cod
CAM T

| | | |
|-------------------|----|---------------------|
| ● Nero / Black | 38 | 020STAMTNWS |
| ● Rosso / Red | 38 | 020STAMTRWS |
| ● Verde / Green | 38 | 020STAMTVWS |
| ● Giallo / Yellow | 38 | 020STAMTGWS |
| ● Blu / Blue | 38 | 020STAMTBLWS |

**CAM T**

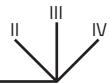
| | | |
|-------------------|----|---------------------|
| ● Nero / Black | 38 | 020STAMTNWC |
| ● Rosso / Red | 38 | 020STAMTRWC |
| ● Verde / Green | 38 | 020STAMTVWC |
| ● Giallo / Yellow | 38 | 020STAMTGWC |
| ● Blu / Blue | 38 | 020STAMTBLWC |



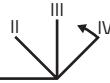
4 posizioni / 4 positions

g cod
CAM Q

| | | |
|-------------------|----|--------------------|
| ● Nero / Black | 38 | 020STAMQNW |
| ● Rosso / Red | 38 | 020STAMQRW |
| ● Verde / Green | 38 | 020STAMQVW |
| ● Giallo / Yellow | 38 | 020STAMQGW |
| ● Blu / Blue | 38 | 020STAMQBLW |

**CAM U**

| | | |
|----------------|----|-------------------|
| ● Nero / Black | 38 | 020STAMUNW |
|----------------|----|-------------------|



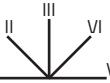
5 posizioni / 5 positions

g cod
CAM R

| | | |
|-------------------|----|--------------------|
| ● Nero / Black | 38 | 020STAMRNW |
| ● Rosso / Red | 38 | 020STAMRRW |
| ● Verde / Green | 38 | 020STAMRVW |
| ● Giallo / Yellow | 38 | 020STAMRGW |
| ● Blu / Blue | 38 | 020STAMRBLW |

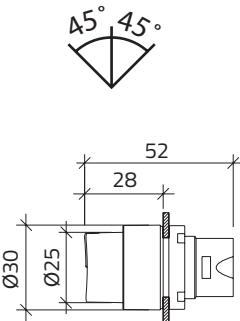
**CAM Z**

| | | |
|-------------------|----|--------------------|
| ● Nero / Black | 38 | 020STAMZNW |
| ● Rosso / Red | 38 | 020STAMZRW |
| ● Verde / Green | 38 | 020STAMZVW |
| ● Giallo / Yellow | 38 | 020STAMZGW |
| ● Blu / Blue | 38 | 020STAMZBLW |



Selettori luminosi a manopola Ø22 Ghiera in metallo Illuminated knob selector switches Ø22 Metal bezel

Cercare la combinazione di schemi a pag. 49-50 / See diagram combination on page 49-50

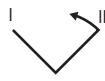


2 posizioni / 2 positions



CAM A

| | | |
|-----------------------|----|--------------|
| ● Rosso / Red | 38 | 020STAMLARW |
| ● Verde / Green | 38 | 020STAMLAVW |
| ● Giallo / Yellow | 38 | 020STAMLAGW |
| ● Blu / Blue | 38 | 020STAMLABLW |
| ○ Bianco / White | 38 | 020STAMLABW |
| ● Arancione / Orange | 38 | 020STAMLAAW |
| ○ Trasparente / Clear | 38 | 020STAMLAIW |



CAM A

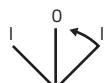
| | | |
|-----------------------|----|---------------|
| ● Rosso / Red | 38 | 020STAMLARWD |
| ● Verde / Green | 38 | 020STAMLAVWD |
| ● Giallo / Yellow | 38 | 020STAMLAGWD |
| ● Blu / Blue | 38 | 020STAMLABLWD |
| ○ Bianco / White | 38 | 020STAMLABWD |
| ● Arancione / Orange | 38 | 020STAMLAAWD |
| ○ Trasparente / Clear | 38 | 020STAMLAIWD |

3 posizioni / 3 positions



CAM O

| | | |
|-----------------------|----|--------------|
| ● Rosso / Red | 38 | 020STAMLORW |
| ● Verde / Green | 38 | 020STAMLOVW |
| ● Giallo / Yellow | 38 | 020STAMLOGW |
| ● Blu / Blue | 38 | 020STAMLOBLW |
| ○ Bianco / White | 38 | 020STAMLOBW |
| ● Arancione / Orange | 38 | 020STAMLOAW |
| ○ Trasparente / Clear | 38 | 020STAMLOIW |



CAM O

| | | |
|-----------------------|----|---------------|
| ● Rosso / Red | 38 | 020STAMLORWD |
| ● Verde / Green | 38 | 020STAMLOVWD |
| ● Giallo / Yellow | 38 | 020STAMLOGWD |
| ● Blu / Blue | 38 | 020STAMLOBLWD |
| ○ Bianco / White | 38 | 020STAMLOBW |
| ● Arancione / Orange | 38 | 020STAMLOAW |
| ○ Trasparente / Clear | 38 | 020STAMLOIW |



CAM O

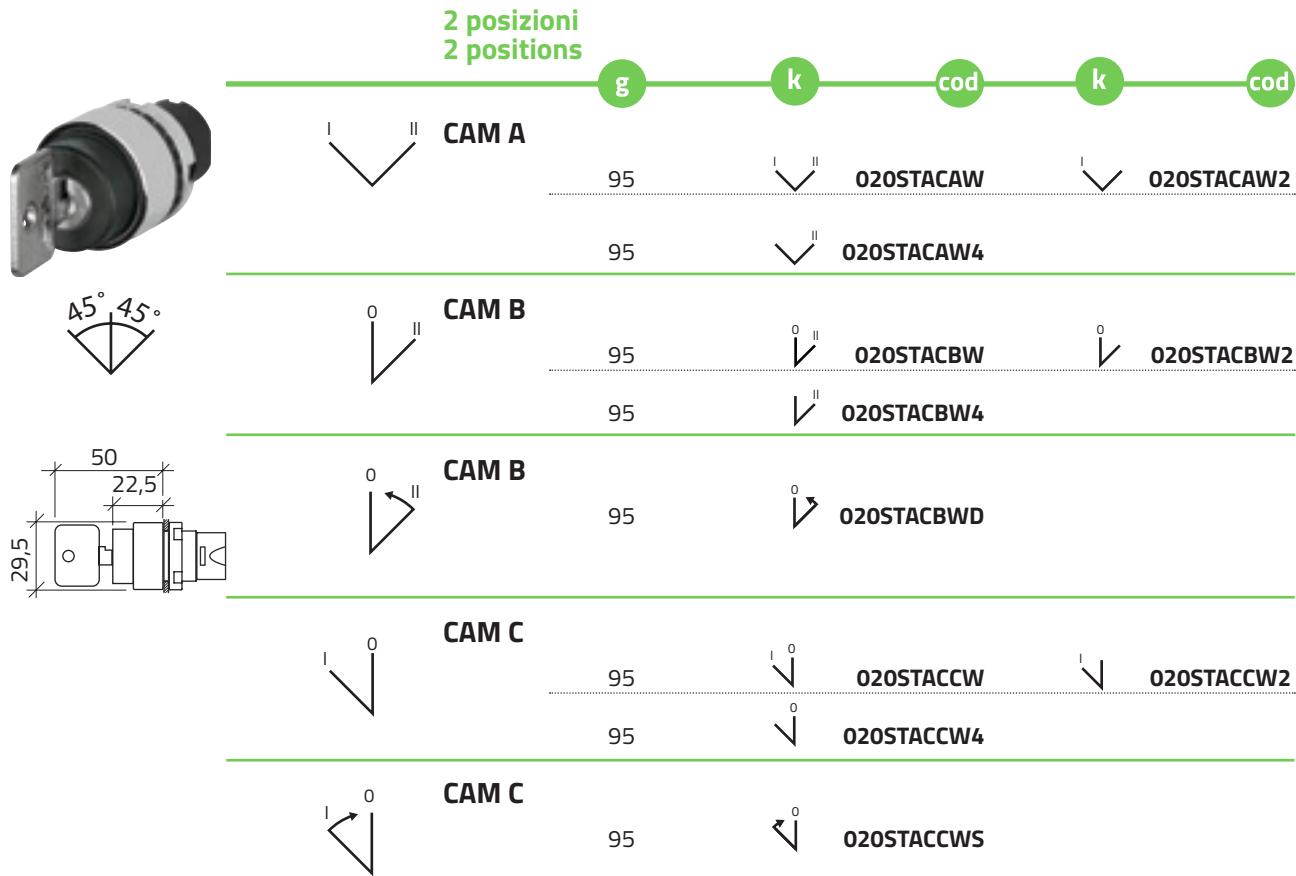
| | | |
|-----------------------|----|---------------|
| ● Rosso / Red | 38 | 020STAMLORWC |
| ● Verde / Green | 38 | 020STAMLOVWC |
| ● Giallo / Yellow | 38 | 020STAMLOGWC |
| ● Blu / Blue | 38 | 020STAMLOBLWC |
| ○ Bianco / White | 38 | 020STAMLOBW |
| ● Arancione / Orange | 38 | 020STAMLOAWC |
| ○ Trasparente / Clear | 38 | 020STAMLOIW |

COMANDO E SEGNALAZIONE SM2 Ø22

Selettori a chiave Ø22 Ghiera in metallo

Key selector switches Ø22 Metal bezel

Cercare la combinazione di schemi a pag. 49-50 / See diagram combination on page 49-50



COMANDO E SEGNALAZIONE SM2 Ø22

Selettori a chiave Ø22 Ghiera in metallo

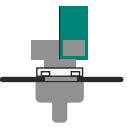
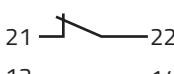
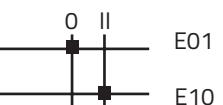
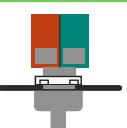
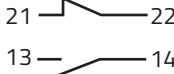
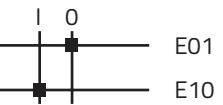
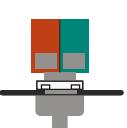
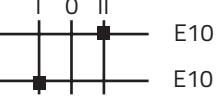
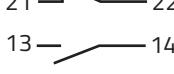
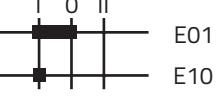
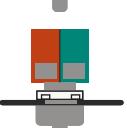
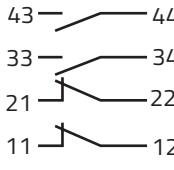
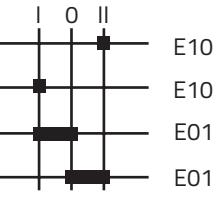
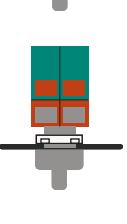
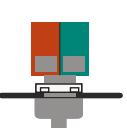
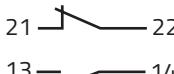
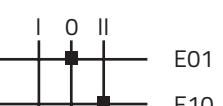
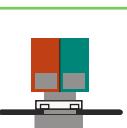
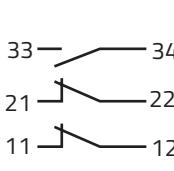
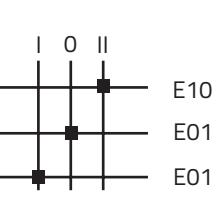
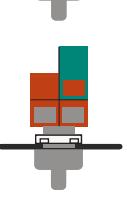
Key selector switches Ø22 Metal bezel

Cercare la combinazione di schemi a pag. 49-50 / See diagram combination on page 49-50

| 3 posizioni 3 positions | | | |
|----------------------------|--------------|----------|-------------|
| | CAM O | g | k |
| | | 95 | 020STACOW |
| | | 95 | 020STACOW3 |
| | | 95 | 020STACOW5 |
| | | 95 | 020STACOW7 |
| | | | 020STACOW2 |
| | | | 020STACOW4 |
| | | | 020STACOW6 |
| | CAM O | 95 | 020STACOWD |
| | | 95 | 020STACOWD3 |
| | CAM O | 95 | 020STACOWS |
| | | 95 | 020STACOWS4 |
| | CAM O | 95 | 020STACOWC |
| | CAM T | 95 | 020STACTW |
| | | 95 | 020STACTW3 |
| | | 95 | 020STACTW5 |
| | | 95 | 020STACTW7 |
| | | | 020STACTW2 |
| | | | 020STACTW4 |
| | | | 020STACTW6 |
| | CAM T | 95 | 020STACTWD |
| | | 95 | 020STACTWD3 |
| | CAM T | 95 | 020STACTWS |
| | | 95 | 020STACTWS4 |
| | CAM T | 95 | 020STACTWC |

Combinazione di schemi Ø22 Ghiera in metallo

Diagram combination Ø22 Metal bezel

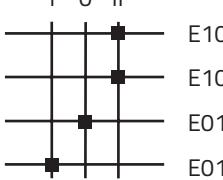
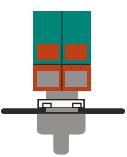
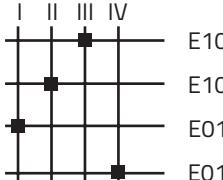
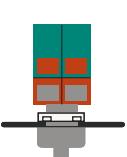
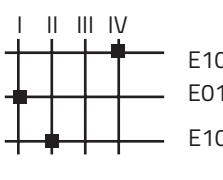
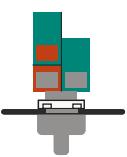
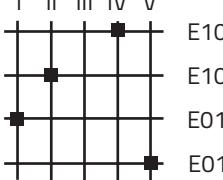
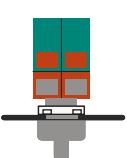
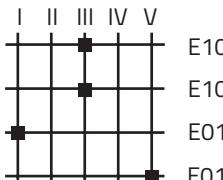
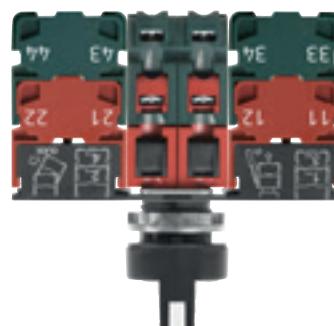
| | | Schema Diagram | Contatti flangiati Flanged contacts | |
|--|--------------|---|--|--|
| | CAM A |  CAM A |  E10 E01 |  020E10 020G |
| | CAM A |  CAM A |  E01 E10 |  020E01 020E10 020G |
| | CAM B |  CAM B |  E01 E10 |  020E01 020E10 020G |
| | CAM C |  CAM C |  E01 E10 |  020E01 020E10 020G |
| | CAM O |  CAM O |  E10 E10 |  020E10 020E10 020G |
| | CAM O |  CAM O |  E01 E10 |  020E10 020E10 020G |
| | CAM O |  CAM O |  E10 E10 E01 E01 |  020E10 020E10 020E01 020E01 020G |
| | CAM E |  CAM E |  E01 E10 |  020E01 020E10 020G |
| | CAM T |  CAM T |  E01 E10 |  020E01 020E10 020G |
| | CAM T |  CAM T |  E10 E10 E01 E01 |  020E10 020E01 020E01 020G |



COMANDO E SEGNALAZIONE SM2 Ø22

Combinazione di schemi Ø22 Ghiera in metallo

Diagram combination Ø22 Metal bezel

| | Schema Diagram | Contatti flangiati Flanged contacts |
|--|---|---|
| CAM T |  <pre> 43 -> 44 33 -> 34 21 -> 22 11 -> 12 </pre>  |  <p>020E10 020E10 020E01 020E01 020G</p> |
| CAM Q |  <pre> 43 -> 44 33 -> 34 21 -> 22 11 -> 12 </pre>  |  <p>020E10 020E10 020E01 020E01 020G</p> |
| CAM U |  <pre> 43 -> 44 21 -> 22 13 -> 14 </pre>  |  <p>020E10 020E10 020E01 020G</p> |
| CAM R |  <pre> 43 -> 44 33 -> 34 21 -> 22 11 -> 12 </pre>  |  <p>020E10 020E10 020E01 020E01 020G</p> |
| CAM Z |  <pre> 43 -> 44 33 -> 34 21 -> 22 11 -> 12 </pre>  |  <p>020E10 020E10 020E01 020E01 020G</p> |
|  | | |

COMANDO E SEGNALAZIONE SM2 Ø22

Presa USB 3.0 Ø22
3.0 USB socket Ø22Presa USB 3.0
3.0 USB socket

g

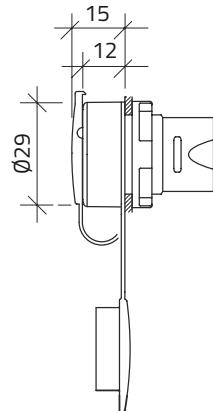
cod

Tipo A-A (femmina-femmina)
A-A type (female-female)

- Nero / Black

24

020PUSB

Tipo C-A (femmina-femmina)
C-A type (female-female)

- Nero / Black

24

020PUSBC



COMANDO E SEGNALAZIONE SM2 Ø22

Cavo USB USB cable

Cavo USB tipo M-M (maschio-maschio)
USB cable type M-M (male-male)



mt 0,8

mt 0,8

● Nero / Black

g

cod

37

010CUSBMM8

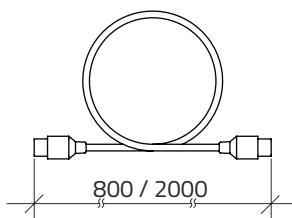
mt 2

mt 2

● Nero / Black

77

010CUSBMM20



Cavo maschio tipo A - libero
Cable male type A - free



mt 0,8

mt 0,8

● Nero / Black

g

cod

37

010CUSBML8

Simboli per operatore Ø22

Symbols for operators Ø22

Far seguire al codice articolo il suffisso del simbolo desiderato / Complete the item code with the suffix of the desired symbol

Esempio per pulsanti luminosi sporgenti e a fungo
Example for illuminated push-button:
projecting and mushroom



Esempio per lampade spia
Example for pilot lights



Esempio per marcatura pulsanti
Example for push-button marking



Simboli per veicoli raccolta rifiuti

Symbols for waste collection vehicles

| SIMBOLO SYMBOL | NORMA STANDARD | SUFFISSO SUFFIX | SIMBOLO SYMBOL | NORMA STANDARD | N° N° | SUFFISSO SUFFIX | SIMBOLO SYMBOL | NORMA STANDARD | N° N° | SUFFISSO SUFFIX |
|-------------------|-------------------|--------------------|-------------------|-------------------|----------|--------------------|-------------------|-----------------------|----------|--------------------|
| → | IEC 5022a | S 47 | ⬇ | UNI EN 1501-1 | 01 | S E01 | ⬇ | UNI EN 1501-1 | 19 | S E19 |
| ↑ | IEC 5022a | S 46 | ⬇ | UNI EN 1501-1 | 02 | S E02 | ⬇ | UNI EN 1501-1 | 20 | S E20 |
| ← | IEC 5022a | S 475 | ⬇ | UNI EN 1501-1 | 03 | S E03 | ⬇ | UNI EN 1501-1 | 21 | S E21 |
| ↓ | IEC 5022a | S 46B | ⬇ | UNI EN 1501-1 | 04 | S E04 | — | IEC 5007a ISO 700 | 22 | S E22 |
| + | IEC 5005a | S 44 | ⬇ | UNI EN 1501-1 | 05 | S E05 | ○ | IEC 5008a ISO 700 | 23 | S E23 |
| — | IEC 5006a | S 45 | ⬇ | UNI EN 1501-1 | 06 | S E06 | 🔔 | IEC 5013a ISO70001 | 24 | S E24 |
| ↙ | ISO 0096 | S 48 | ⬇ | UNI EN 1501-1 | 07 | S E07 | 🔔 | IEC 1141a ISO7000 | 25 | S E25 |
| | IEC 5007a | S 43 | ⬇ | UNI EN 1501-1 | 08 | S E08 | ⬇ | UNI EN 1501-1 | 26 | S E26 |
| ○ | IEC 5008a | S 42 | ⬇ | UNI EN 1501-1 | 09 | S E09 | • | UNI EN 1501-1 | 27 | S E27 |
| ○ | IEC 5010a | S 67 | ⬇ | UNI EN 1501-1 | 10a | S E10a | ⬇ | UNI EN 1501-1 | 28 | S E28 |
| ⌚ | IEC 5011a | S 68 | ⬇ | UNI EN 1501-1 | 10b | S E10b | ⟳ | IEC 0004a ISO 7000 | 29 | S E29 |
| ⚡ | IEC 5036a | S 72 | ⬆ | UNI EN 1501-1 | 11 | S E11 | ⟳ | IEC 0004a ISO7000 | 30 | S E30 |
| ⚠ | ISO 0434 | S 73 | ⬇ | UNI EN 1501-1 | 12 | S E12 | ⬇ | UNI EN 1501-2 | 31 | S E31 |
| 🔊 | IEC 5014a | S 76 | ⬇ | UNI EN 1501-1 | 13 | S E13 | ⬇ | UNI EN 1501-2 | 32 | S E32 |
| 💡 | IEC 5012a | S 78 | ⬇ | UNI EN 1501-1 | 14 | S E14 | 💡 | | | S E16M |
| ⚠ | ISO 0085 | S 38 | ⬇ | UNI EN 1501-1 | 15 | S E15 | L R | | | S E93M |
| ⚠ | IEC 5178a | S 138 | ⬇ | UNI EN 1501-1 | 16 | S E16 | ... | | | S E98M |
| ⚠ | IEC 5638a | S 144 | ⬇ | UNI EN 1501-1 | 17 | S E17 | ⚡ | | | S E99M |
| | | | ⬇ | UNI EN 1501-1 | 18 | S E18 | | | | |

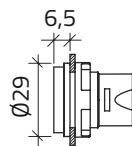


COMANDO E SEGNALAZIONE SM2 Ø22

Accessori Ø22

Accessories Ø22

Corpo per lampade spia / Pilot light body



Completa articolo con gemma ed eventuale diffusore con simbolo
To be fitted with lens and possible diffuser with symbol

g n cod

6 5 020UL

Corpo per lampada spia monoblocco Monolithic pilot light body

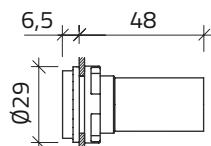


Completa articolo con gemma ed eventuale diffusore con simbolo
To be fitted with lens and possible diffuser with symbol

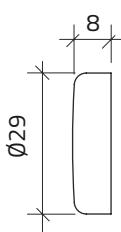
Alimentazione diretta / Direct supply

g n cod

14 5 020LM



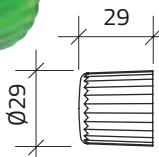
Gemme per lampade spia / Lenses for pilot lights



- Rosso / Red
- Verde / Green
- Giallo / Yellow
- Blu / Blue
- Bianco / White
- Arancio / Orange
- Trasparente / Clear

g n cod

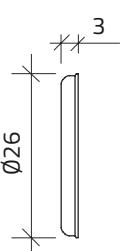
| | | |
|---|---|--------|
| 3 | 5 | 020GR |
| 3 | 5 | 020GV |
| 3 | 5 | 020GG |
| 3 | 5 | 020GBL |
| 3 | 5 | 020GB |
| 3 | 5 | 020GA |
| 3 | 5 | 020GI |



- Rosso / Red
- Verde / Green
- Giallo / Yellow
- Blu / Blue
- Bianco / White
- Arancio / Orange
- Trasparente / Clear

| | | |
|---|---|---------|
| 7 | 5 | 020GAR |
| 7 | 5 | 020GAV |
| 7 | 5 | 020GAG |
| 7 | 5 | 020GABL |
| 7 | 5 | 020GAB |
| 7 | 5 | 020GAA |
| 7 | 5 | 020GAI |

Diffusori con simbolo / Diffusers caps with symbol



Completa il codice con il suffisso del simbolo desiderato vedi pag 52
Code to be completed with the suffix of the desired symbol; see page 52.

Per lampade spia / For pilot lights

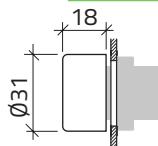
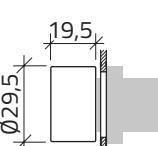
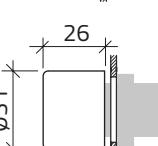
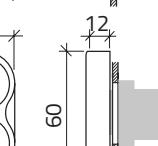
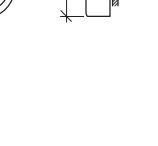
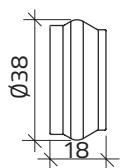
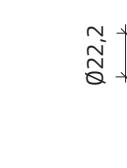
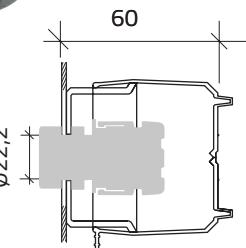
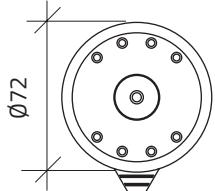
g n cod

0,8 10 020DL***

COMANDO E SEGNALAZIONE SM2 Ø22

Accessori Ø22

Accessories Ø22

| Cappucci in gomma / Rubber caps | | | |
|--|--|----------|-------------------|
| | | g | n |
|  | Silicone trasparente / Clear silicone  | | cod |
|  | Pulsanti con guardia / Guarded push-button  | 3,5 | 5 020CS |
|  | Pulsanti con guardia metallica / Push-button with metal bezel  | 3,5 | 5 020CGS |
|  | Pulsanti sporgenti / Projecting push-button  | 3,5 | 5 020CSGS |
|  | Pulsanti doppi / Twin push-button  | 3,5 | 5 020CGP2 |
| Soffietti di protezione per pulsanti a fungo Bellows for mushroom push-buttons | | | |
| | | g | n |
|  | ● Nero / Black  | 3 | 5 020SGFN |
|  | ● Rosso / Red  | 3 | 5 020SGFR |
|  | ● Verde / Green  | 3 | 5 020SGFV |
|  | ● Giallo / Yellow  | 3 | 5 020SGFG |
|  | ● Blu / Blue  | 3 | 5 020SGFBL |
| Cappucci di protezione contatti Protective caps for contacts | | | |
| | | g | n |
|  | | | cod |
|  | | | |
|  | | 58 | 020CPC22 |
|  | | | |



COMANDO E SEGNALAZIONE SM2 Ø22

Accessori Ø22

Accessories Ø22

Operatore potenziometrico / Potentiometer operator



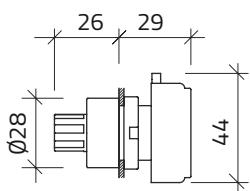
Per potenziometri con albero Ø6mm (non fornito)
For potentiometers with Ø6mm shaft (not included)

g

cod

135

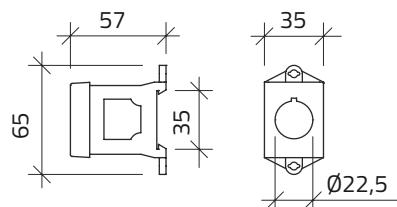
020OP



Supporto operatore per guida DIN DIN rail mounting adapter for operator



● RAL 7035



g

cod

16

020SOGD

Tappi di chiusura / Hole plugs



- RAL 7035
- Nero / Black
- Trasparente / Clear
- RAL 7016

g

n

cod

5

10

020TTP

5

10

020TTPN

5

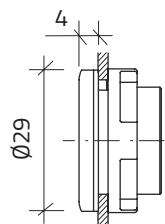
10

020TTPT

5

10

020TTPGR



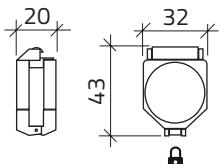
COMANDO E SEGNALAZIONE SM2 Ø22

Accessori Ø22

Accessories Ø22



Protezioni lucchettabili e piombabili Padlockable and sealable protective covers



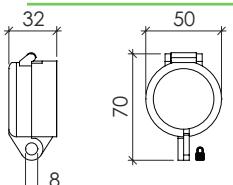
Piombabile / Sealable

g

cod

6

020OPTPP



Lucchettabile / Padlockable

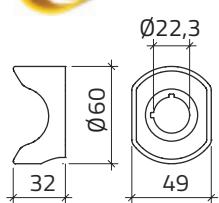
14

020OPTLO



Accessori di protezione / Protective guards

- RAL 7016
- Giallo/ Yellow



g

cod

16

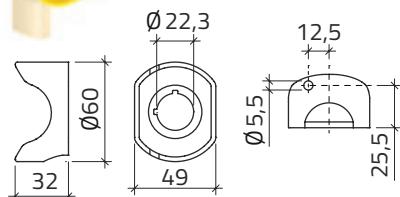
020PEO

020PEOG



Versione lucchettabile / Padlockable type

- Giallo/ Yellow

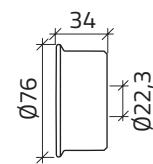


15

020PEOGL



- RAL 7016
- Giallo/ Yellow



35

020GP22

020GPG22

COMANDO E SEGNALAZIONE SM2 Ø22

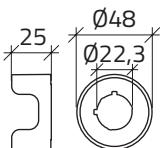
Accessori Ø22

Accessories Ø22

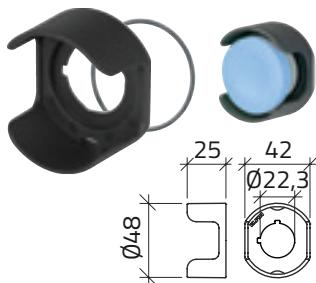
Accessori di protezione in termoplastica Thermoplastic protective guards



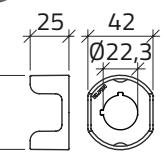
- RAL 7016
- Rosso / Red
- Verde / Green
- Giallo / Yellow
- Blu / Blue



| | | |
|---|----|---------|
| g | | cod |
| | 13 | 020GPF |
| | 13 | 020GPFR |
| | 13 | 020GPVF |
| | 13 | 020GPFG |
| | 13 | 020GPFB |



- RAL 7016

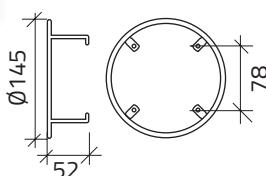


| | | |
|---|---|----------|
| g | | cod |
| | 8 | 020GPF42 |

Accessori di protezione in metallo Metal protective guards



- Giallo / Yellow

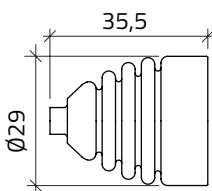


| | | |
|---|----|--------|
| g | | cod |
| | 35 | 020SPE |

Soffietto per manipolatore Joystick bellows



- RAL 7016
- RAL 7035



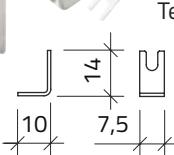
| | | |
|---|---|---------|
| g | | cod |
| | 5 | 020SM16 |
| | 5 | 020SM35 |

COMANDO E SEGNALAZIONE SM2 Ø22

Accessori Ø22

Accessories Ø22

Terminali / Terminals



Collegamenti con elemento di comando e portalampada, compatibilità con spinotti
1x6,3 / 2x2,8 mm tipo isolato / Connection with control element and lampholders
1x6,3 / 2x2,8 mm pins, insulated type

Terminali Faston / Faston terminals

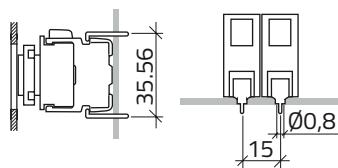
g **n** **cod**

35 10 **020TF**

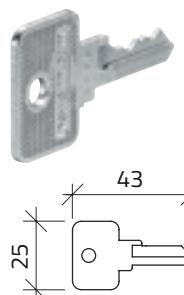


Terminali a saldare / Solder terminals

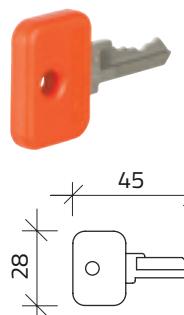
35 10 **020TS**



Chiavi / Keys



| g | c | n | cod |
|----------|----------|----------|---------------|
| 11 | 3095 | 2 | 010K95 |
| 11 | 3353 | 2 | 010K53 |
| 11 | 9901 | 2 | 010K01 |
| 11 | 9902 | 2 | 010K02 |
| 11 | 9903 | 2 | 010K03 |
| 11 | 9904 | 2 | 010K04 |
| 11 | 9905 | 2 | 010K05 |
| 11 | 9910 | 2 | 010K10 |
| 11 | 9916 | 2 | 010K16 |
| 11 | 9919 | 2 | 010K19 |



Versione secondo normativa FIAT / Version according to FIAT standards

| | | | | |
|--------------------|----|-------|---|---------------|
| ● Nero / Black | 11 | 73034 | 2 | 010K34 |
| ● Rosso / Red | 11 | 73037 | 2 | 010K37 |
| ● Giallo / Yellow | 11 | 73033 | 2 | 010K33 |
| ● Blu / Blue | 11 | 73038 | 2 | 010K38 |
| ● Arancio / Orange | 11 | 73040 | 2 | 010K40 |



Accessori Ø22

Accessories Ø22

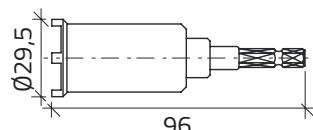
Chavi di serraggio ghiere / Locking ring wrenches



Chiave di serraggio acciaio, per avvitatore $\frac{1}{4}$
Steel locking ring wrench for screwdriver $\frac{1}{4}$

100

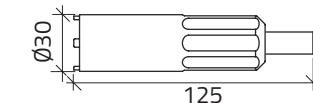
cod
020CGA



Chiave di serraggio plastica / Plastic locking ring wrench
● Nero / Black

32

020CGN



Ghiere di fissaggio operatori Locking rings for operators



Filettatura passo 2, metallo / Thread pitch 2, metal

8

cod
020GF2



Per lampade spia e tappi / For pilot lights and plugs
Filettatura passo 2, plastica / Thread pitch 2, plastic

4

5 020GF2P



Per serie ghiera metallo e filo pannello / For metal bezel and flush-mount series
Filettatura passo 1, metallo / Thread pitch 1, metal

8

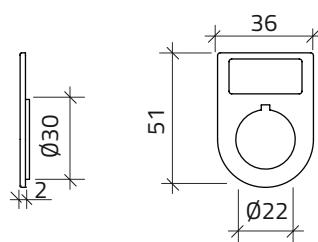
5 020GF



Con supporto targhetta / With label support
Flangia di riduzione da Ø30 a Ø22
Reductive flange from Ø30 to Ø22

8

020FR

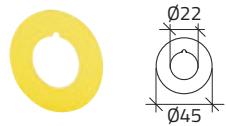


COMANDO E SEGNALAZIONE SM2 Ø22

Targhette Ø22

Legend plates Ø22

Targhette emergenza, secondo VDE 0113 Emergency stop legend plates, according to VDE 0113

**Ø 45**

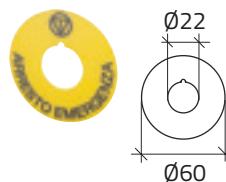
Senza testo / Blank

g

cod

2

020D

**Ø 60**

Senza testo / Blank

2

020D0

ARRESTO EMERGENZA

2

020D21

EMERGENCY STOP

2

020D23

NOT-AUS

2

020D39

ARRET D'URGENCE

2

020D36

PARO EMERGENCIA

2

020D37

NOOD UIT

2

020D91

EMERGENCIA PARAGEM

2

020D95

NOOD STOP

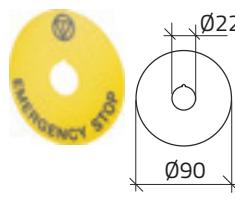
2

020D107

NØD STOP

2

020D123

**Ø 90**

Senza testo / Blank

5,3

020DD0

ARRESTO EMERGENZA

5,3

020DD21

EMERGENCY STOP

5,3

020DD23

NOT-AUS

5,3

020DD39

ARRET D'URGENCE

5,3

020DD36

PARO EMERGENCIA

5,3

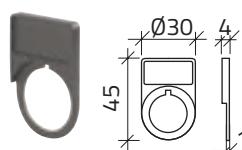
020DD37

EMERGENCIA PARAGEM

5,3

020DD95

Porta targhette / Legend plate holders

**13x27**

● Nero / Black

2

10

020ST

● Giallo / Yellow

2

10

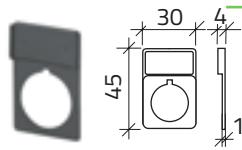
020STG

● RAL 7016

2

10

020STGR

**13x27**

● Giallo / Yellow

2

10

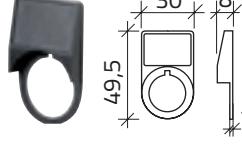
020SQG

● RAL 7016

2

10

020SQGR

**18x27**

● Nero / Black

2,5

10

020ST18

● Giallo / Yellow

2,5

10

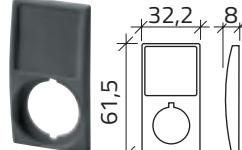
020ST18G

● RAL 7016

2,5

10

020ST18GR

**27x27**

● Nero / Black

3

10

020ST27N

● Giallo / Yellow

3

10

020ST27G

● RAL 7016

3

10

020ST27GR



Targhette Ø22

Legend plates Ø22

Targhette adesive con diciture Adhesive labels with texts

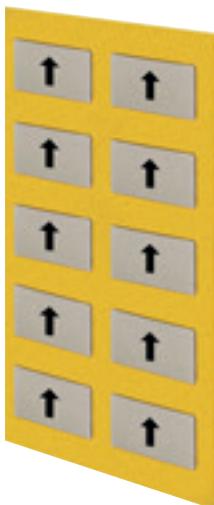


Dicitura / Texts

Quantità per confezione n° 10 / Pack quantity n° 10
Colore alluminio, scritta nera / Silver colour, with black text

| | | | | | |
|-------------------|---------------|-------------------|---------------|----------------|----------------|
| Marcia | 02001T | Emergenza | 02021T | 1 0 2 | 02041T |
| Arresto | 02002T | Lavoro | 02022T | Reset | 02055T |
| Avanti | 02003T | Stop | 02023T | Test | 02056T |
| Indietro | 02004T | Arresto-Marcia | 02024T | Nood Uit | 02091T |
| Salita | 02005T | Inser. Disinser. | 02025T | ON O Off | 02092T |
| Discesa | 02006T | Start | 02026T | Manu O Auto | 02093T |
| Destra | 02007T | Abbassa | 02027T | Danger | 02094T |
| Sinistra | 02008T | Alza | 02028T | Order Spanning | 02095T |
| Apre | 02009T | Alt | 02029T | Sous Tension | 02096T |
| Chiude | 02010T | Apre Chiude | 02030T | Hand O Auto | 02097T |
| Lento | 02011T | Aut. Semiaut. | 02031T | Arret | 02098T |
| Veloce | 02012T | Aut O Man | 02032T | Marche | 02099T |
| Avviamento | 02013T | O 1 | 02033T | Marcha | 020100T |
| Arresto Ciclo | 02014T | Tensione in linea | 02034T | Arranque | 020101T |
| Ciclo Automatico | 02016T | Blocco | 02035T | Subir | 020102T |
| Ripristino Ciclo | 02017T | Arret d'Urgence | 02036T | Bajar | 020103T |
| Inserito | 02018T | Paro Emergencia | 02037T | Parada | 020104T |
| Corrente Inserita | 02019T | Not Aus | 02039T | | |
| Disinserito | 02020T | O 1 2 | 02040T | | |

Targhette adesive con simboli Adhesive labels with symbols



Simbolo / Symbol

Quantità per confezione n° 10 / Pack quantity n° 10
Colore alluminio, scritta nera / Silver colour, with black symbol

| | | | |
|---|----------------|----|----------------|
| ↑ | 02046T | ○ | 02042T |
| → | 02047T | ◀ | 02076T |
| ↙ | 02048T | — | 02045T |
| ⌚ | 02068T | ○○ | 02067T |
| ⚠ | 02038T | 💡 | 02078T |
| | 02043T | ⊗ | 020144T |
| ⚡ | 02072T | ⚠ | 02073T |
| ▽ | 020138T | | |
| + | 02044T | | |

Targhette Ø22

Legend plates Ø22



Rotoli etichette adesive in alluminio Aluminium adhesive labels rolls

| | | g | cod |
|--------------------------|-------------------------------------|----------|------------------|
| 13x27 mm | rotolo da 1500 pz / roll of 1500 pc | 170 | 020RE |
| 18x27 mm | rotolo da 1500 pz / roll of 1500 pc | 280 | 020RE18 |
| 27x27 mm | rotolo da 1300 pz / roll of 1300 pc | 240 | 020RE27 |
| 60x15 mm | rotolo da 1500 pz / roll of 1500 pc | 380 | 020RE615 |
| 60x40 mm | rotolo da 700 pz / roll of 700 pc | 500 | 020RE640 |
| 60x60 mm | rotolo da 500 pz / roll of 500 pc | 450 | 020RE660 |
| 60x60 mm foro / hole Ø22 | rotolo da 500 pz / roll of 500 pc | 450 | 020RE660D |
| 60x80 mm | rotolo da 400 pz / roll of 400 pc | 580 | 020RE680 |
| 60x110 mm | rotolo da 300 pz / roll of 300 pc | 580 | 020RE6110 |



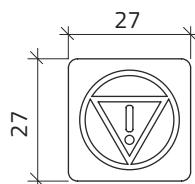
Etichette protettive adesive Adhesive protective labels

Pellicola trasparente / Protective film

| | g | n | cod |
|----------|----------|----------|----------------|
| 13x27 mm | 2 | 10 | 020PE |
| 18x27 mm | 2 | 10 | 020PE18 |
| 27x27 mm | 2 | 10 | 020PE27 |



Etichetta adesiva emergenza Adhesive emergency label



Targhetta adesiva / Adhesive label

27x27 mm

0,2

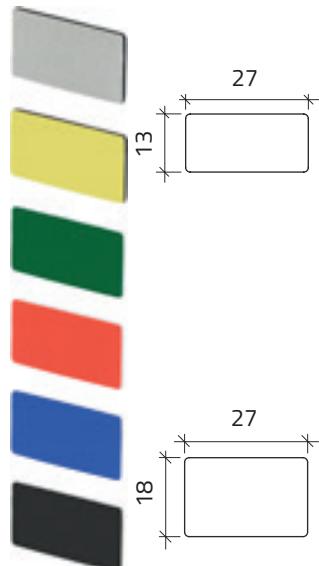
020144T27

COMANDO E SEGNALAZIONE SM2 Ø22

Targhette Ø22

Legend plates Ø22

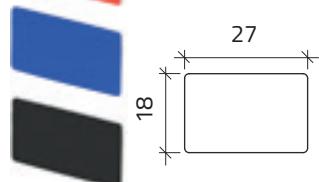
Etichette neutre adesive / Blank adhesive labels



13x27

Incisione meccanica / Mechanical engraving

| | | | |
|--|-----|----|-----------------|
| ● Silver-Incisione nera / Silver-Black engraving | 0,2 | 10 | 02000T |
| ○ Bianco-Incisione nera / White-Black engraving | 0,2 | 10 | 02000TB |
| ■ Giallo-Incisione nera / Yellow-Black engraving | 0,2 | 10 | 02000TG |
| ● Nero-Incisione bianca / Black-White engraving | 0,2 | 10 | 02000TN |
| ● Rosso-Incisione bianca / Red-White engraving | 0,2 | 10 | 02000TR |
| ● Verde-Incisione bianca / Green-White engraving | 0,2 | 10 | 02000TV |
| ● Blu-Incisione bianca / Blue-White engraving | 0,2 | 10 | 02000TBL |



18x27

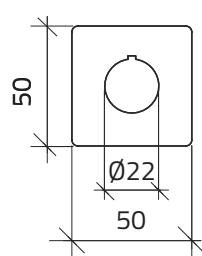
Incisione meccanica / Mechanical engraving

| | | | |
|--|-----|----|-------------------|
| ● Silver-Incisione nera / Silver-Black engraving | 0,2 | 10 | 02000T18 |
| ○ Bianco-Incisione nera / White-Black engraving | 0,2 | 10 | 02000TB18 |
| ■ Giallo-Incisione nera / Yellow-Black engraving | 0,2 | 10 | 02000TG18 |
| ● Nero-Incisione bianca / Black-White engraving | 0,2 | 10 | 02000TN18 |
| ● Rosso-Incisione bianca / Red-White engraving | 0,2 | 10 | 02000TR18 |
| ● Verde-Incisione bianca / Green-White engraving | 0,2 | 10 | 02000TV18 |
| ● Blu-Incisione bianca / Blue-White engraving | 0,2 | 10 | 02000TBL18 |

Etichette adesive Adhesive labels



50x50

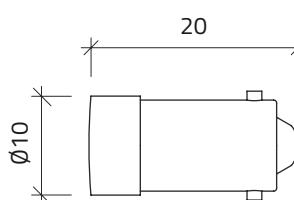


| | | |
|--|-----|----------------|
| ● Silver-Incisione nera / Silver-Black engraving | 1,8 | 020T50 |
| ■ Giallo-Incisione nera / Yellow-Black engraving | 1,8 | 020T50G |
| ● Nero-Incisione bianca / Black-White engraving | 1,8 | 020T50N |

Lampadine

Lamps

020



BA9S Led luce fissa BA9S Steady light led lamps

g n cod

6V AC-DC

| | | | |
|-------------------|---|---|-------------|
| ● Rosso / Red | 2 | 5 | 010BA9SLR6 |
| ● Verde / Green | 2 | 5 | 010BA9SLV6 |
| ● Giallo / Yellow | 2 | 5 | 010BA9SLG6 |
| ● Blu / Blue | 2 | 5 | 010BA9SLBL6 |
| ○ Bianco / White | 2 | 5 | 010BA9SLB6 |

12V AC-DC

| | | | |
|-------------------|---|---|--------------|
| ● Rosso / Red | 2 | 5 | 010BA9SLR12 |
| ● Verde / Green | 2 | 5 | 010BA9SLV12 |
| ● Giallo / Yellow | 2 | 5 | 010BA9SLG12 |
| ● Blu / Blue | 2 | 5 | 010BA9SLBL12 |
| ○ Bianco / White | 2 | 5 | 010BA9SLB12 |

24V AC-DC

| | | | |
|-------------------|---|---|--------------|
| ● Rosso / Red | 2 | 5 | 010BA9SLR24 |
| ● Verde / Green | 2 | 5 | 010BA9SLV24 |
| ● Giallo / Yellow | 2 | 5 | 010BA9SLG24 |
| ● Blu / Blue | 2 | 5 | 010BA9SLBL24 |
| ○ Bianco / White | 2 | 5 | 010BA9SLB24 |

36V AC-DC

| | | | |
|-------------------|---|---|--------------|
| ● Rosso / Red | 2 | 5 | 010BA9SLR36 |
| ● Verde / Green | 2 | 5 | 010BA9SLV36 |
| ● Giallo / Yellow | 2 | 5 | 010BA9SLG36 |
| ● Blu / Blue | 2 | 5 | 010BA9SLBL36 |
| ○ Bianco / White | 2 | 5 | 010BA9SLB36 |

48V AC-DC

| | | | |
|-------------------|---|---|--------------|
| ● Rosso / Red | 2 | 5 | 010BA9SLR48 |
| ● Verde / Green | 2 | 5 | 010BA9SLV48 |
| ● Giallo / Yellow | 2 | 5 | 010BA9SLG48 |
| ● Blu / Blue | 2 | 5 | 010BA9SLBL48 |
| ○ Bianco / White | 2 | 5 | 010BA9SLB48 |

130V AC-DC

| | | | |
|-------------------|---|---|---------------|
| ● Rosso / Red | 2 | 5 | 010BA9SLR110 |
| ● Verde / Green | 2 | 5 | 010BA9SLV110 |
| ● Giallo / Yellow | 2 | 5 | 010BA9SLG110 |
| ● Blu / Blue | 2 | 5 | 010BA9SLBL110 |
| ○ Bianco / White | 2 | 5 | 010BA9SLB110 |

240V AC-DC

| | | | |
|-------------------|---|---|---------------|
| ● Rosso / Red | 2 | 5 | 010BA9SLR240 |
| ● Verde / Green | 2 | 5 | 010BA9SLV240 |
| ● Giallo / Yellow | 2 | 5 | 010BA9SLG240 |
| ● Blu / Blue | 2 | 5 | 010BA9SLBL240 |
| ○ Bianco / White | 2 | 5 | 010BA9SLB240 |

400V AC-DC

| | | | |
|-------------------|---|---|---------------|
| ● Rosso / Red | 2 | 5 | 010BA9SLR400 |
| ● Verde / Green | 2 | 5 | 010BA9SLV400 |
| ● Giallo / Yellow | 2 | 5 | 010BA9SLG400 |
| ● Blu / Blue | 2 | 5 | 010BA9SLBL400 |
| ○ Bianco / White | 2 | 5 | 010BA9SLB400 |

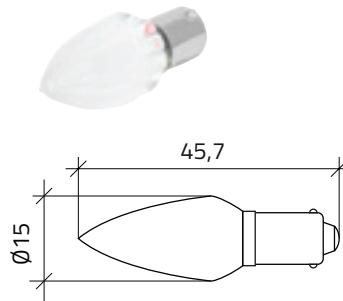


COMANDO E SEGNALAZIONE SM2 Ø22

Lampadine

Lamps

BA9S Led luce fissa BA9S Steady light led lamps

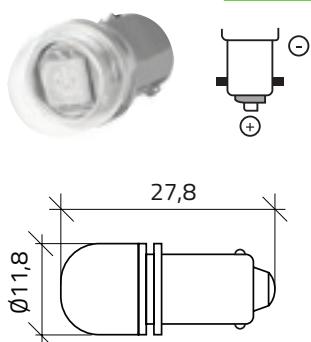

24V AC-DC

| | | |
|-------------------|---|--------------|
| ● Rosso / Red | 2 | 010BA9ALR24 |
| ● Verde / Green | 2 | 010BA9ALV24 |
| ● Giallo / Yellow | 2 | 010BA9ALG24 |
| ● Blu / Blue | 2 | 010BA9ALBL24 |
| ○ Bianco / White | 2 | 010BA9ALB24 |

240V AC-DC

| | | |
|-------------------|---|---------------|
| ● Rosso / Red | 2 | 010BA9ALR220 |
| ● Verde / Green | 2 | 010BA9ALV220 |
| ● Giallo / Yellow | 2 | 010BA9ALG220 |
| ● Blu / Blue | 2 | 010BA9ALBL220 |
| ○ Bianco / White | 2 | 010BA9ALB220 |

Led <60V non polarizzati 110-240 V polarizzati Led lamps <60V non-polarized 110-240 V polarized


Led luce lampeggiante / Flashing light led

Led ultraluminoso tensioni $\pm 15\%$ non polarizzata / Ultra-bright led, voltage $\pm 15\%$ non-polarized
AC-DC 6 12 24 48 110 AC 220 mA 30 20 14 7 5 16

24V AC-DC

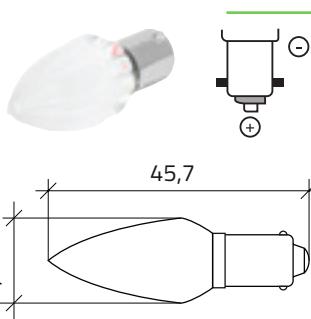
| | | |
|---------------|---|--------------|
| ● Rosso / Red | 2 | 010BA9SLLR24 |
|---------------|---|--------------|

130V AC-DC

| | | |
|---------------|---|---------------|
| ● Rosso / Red | 2 | 010BA9SLLR110 |
|---------------|---|---------------|

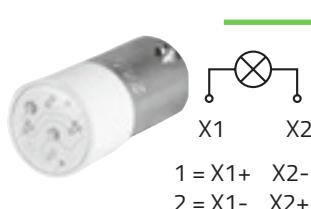
240V AC-DC

| | | |
|---------------|---|---------------|
| ● Rosso / Red | 2 | 010BA9SLLR220 |
|---------------|---|---------------|

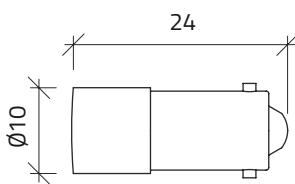

24V AC-DC

| | | |
|---------------|---|--------------|
| ● Rosso / Red | 2 | 010BA9ALLR24 |
|---------------|---|--------------|

Nuove lampade due colori , tecnologia led alta luminosità New bi-colour led lamps,high brightness


24V DC 15mA

| | | |
|-----------------------------------|---|---------------|
| 1 2 | 2 | 010BA9SLVR24 |
| ● ● Verde, rosso / Green, red | 2 | 010BA9SLVG24 |
| ● ● Verde, giallo / Green, yellow | 2 | 010BA9SLVG24 |
| ● ● Blu, rosso / Blue, red | 2 | 010BA9SLBLR24 |
| ● ● Blu, giallo / Blue, yellow | 2 | 010BA9SLBLG24 |



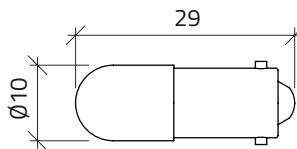
Lampadine

Lamps



BA9S Lampadine ad incandescenza BA9S Incandescent lamps

g n cod



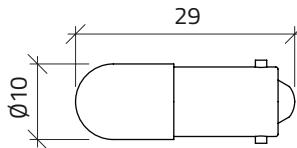
Lampadine BA9S ad incandescenza / Incandescent bulbs BA9S

| | | | | |
|------|-------|-----|----|-----------------|
| 6V | 0,6W | 1,3 | 10 | 010BA9S6V-0.6W |
| 24V | 1,2 w | 1,3 | 10 | 010BA9S24V-1.2W |
| 24V | 3W | 1,3 | 10 | 010BA9S24V-3W |
| 30V | 1,2W | 1,3 | 10 | 010BA9S30V-1.2W |
| 30V | 3W | 1,3 | 10 | 010BA9S30V-3W |
| 48V | 1,2W | 1,3 | 10 | 010BA9S48V-1.2W |
| 60V | 1,2 w | 1,3 | 10 | 010BA9S60V-1.2W |
| 60V | 3W | 1,3 | 10 | 010BA9S60V-3W |
| 110V | 1,9W | 1,3 | 10 | 010BA9S130V-1.9 |
| 220V | 2W | 1,3 | 10 | 010BA9S220V-2W |



BA9S Lampadine al neon / BA9S neon lamps

g n cod



Neon AC

| | | | | | |
|--------------------|------|-------|-----|----|-------------|
| ● Arancio / Orange | 65V | 0,05W | 2,3 | 10 | 010BA9SN65 |
| ● Arancio / Orange | 130V | 0,1W | 2,3 | 10 | 010BA9SN110 |
| ● Verde / Green | 130V | 0,1W | 2,3 | 10 | 010BA9NV110 |
| ● Arancio / Orange | 240V | 0,3W | 2,3 | 10 | 010BA9SN220 |
| ● Verde / Green | 240V | 0,3W | 2,3 | 10 | 010BA9NV220 |
| ● Arancio / Orange | 400V | 0,5W | 2,3 | 10 | 010BA9SN380 |
| ● Verde / Green | 400V | 0,5W | 2,3 | 10 | 010BA9NV380 |



COMANDO E SEGNALAZIONE SM2 Ø22

Stampante a trasferimento termico

Thermal printer



Mod Toshiba B-EV4T-GS14 (200 dpi)
Stampante / Printer

g

cod

1400

010ST-EV4T

Nastro trasferimento termico 74m / Thermal transfer ribbon, 74m 280

010NR6374

Esempi di applicazione dell' etichetta Example of label application



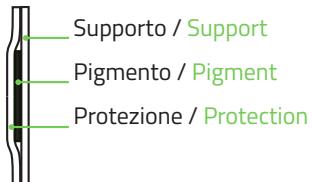
Applicazione dell'etichetta / Label application



Applicazione della pellicola trasparente / Application of protective film



Applicazione su pannello / Panel mounting



Dimensioni etichette Label dimensions

13 x 27



18 x 27



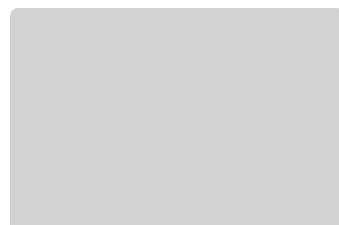
27 x 27



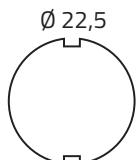
60 x 15



60 x 40



Ø 22,5



60 x 60

