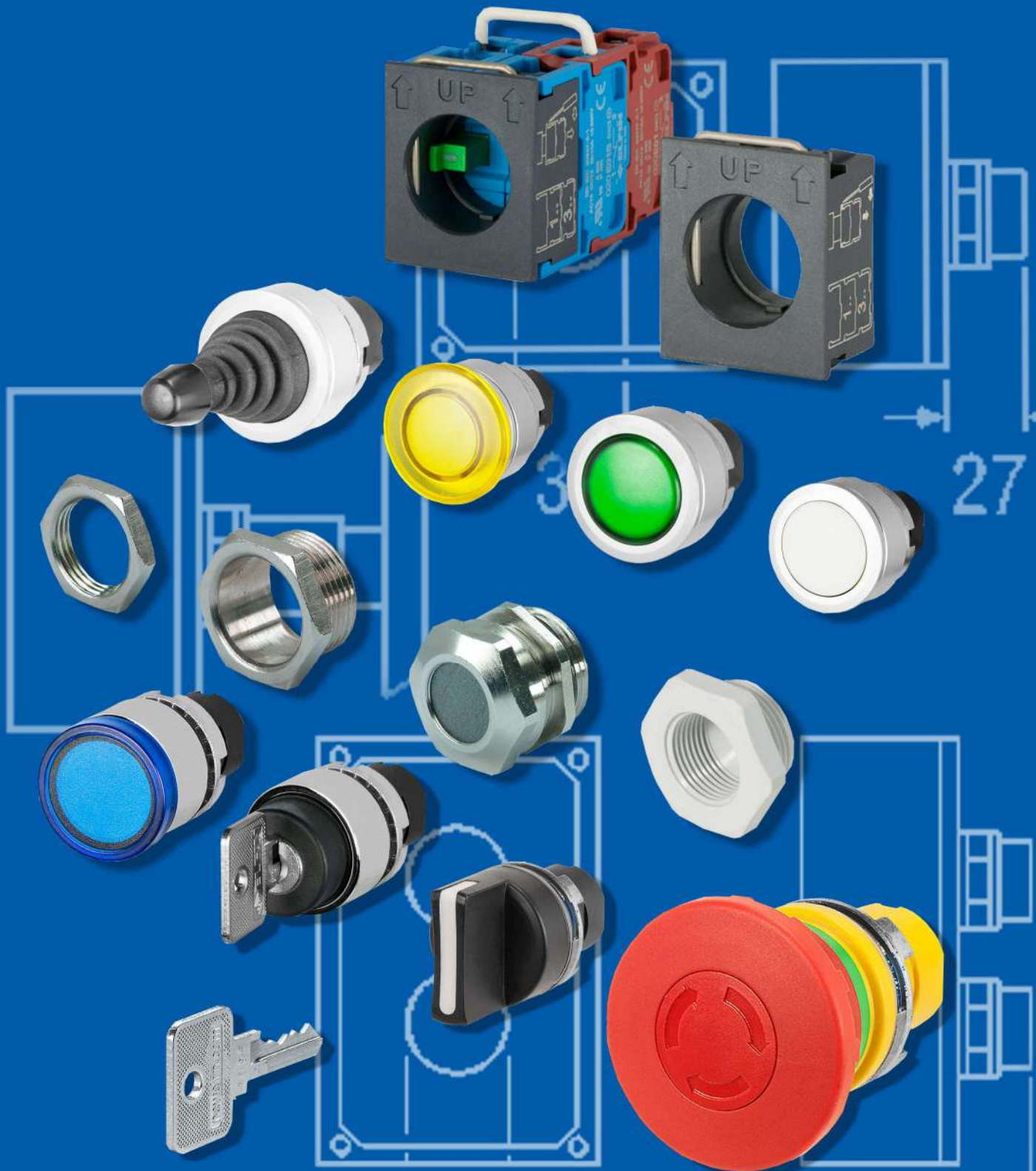


*connecting power*

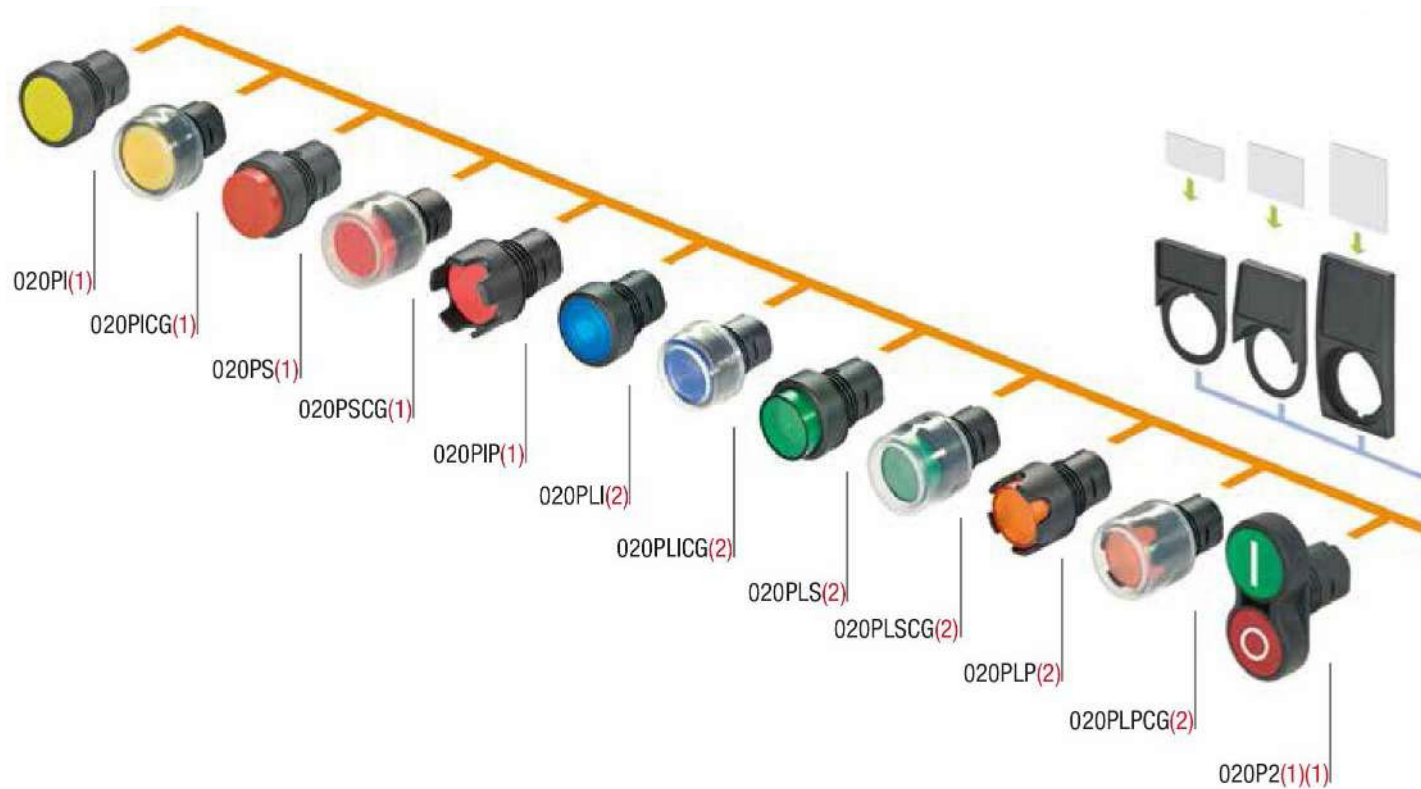


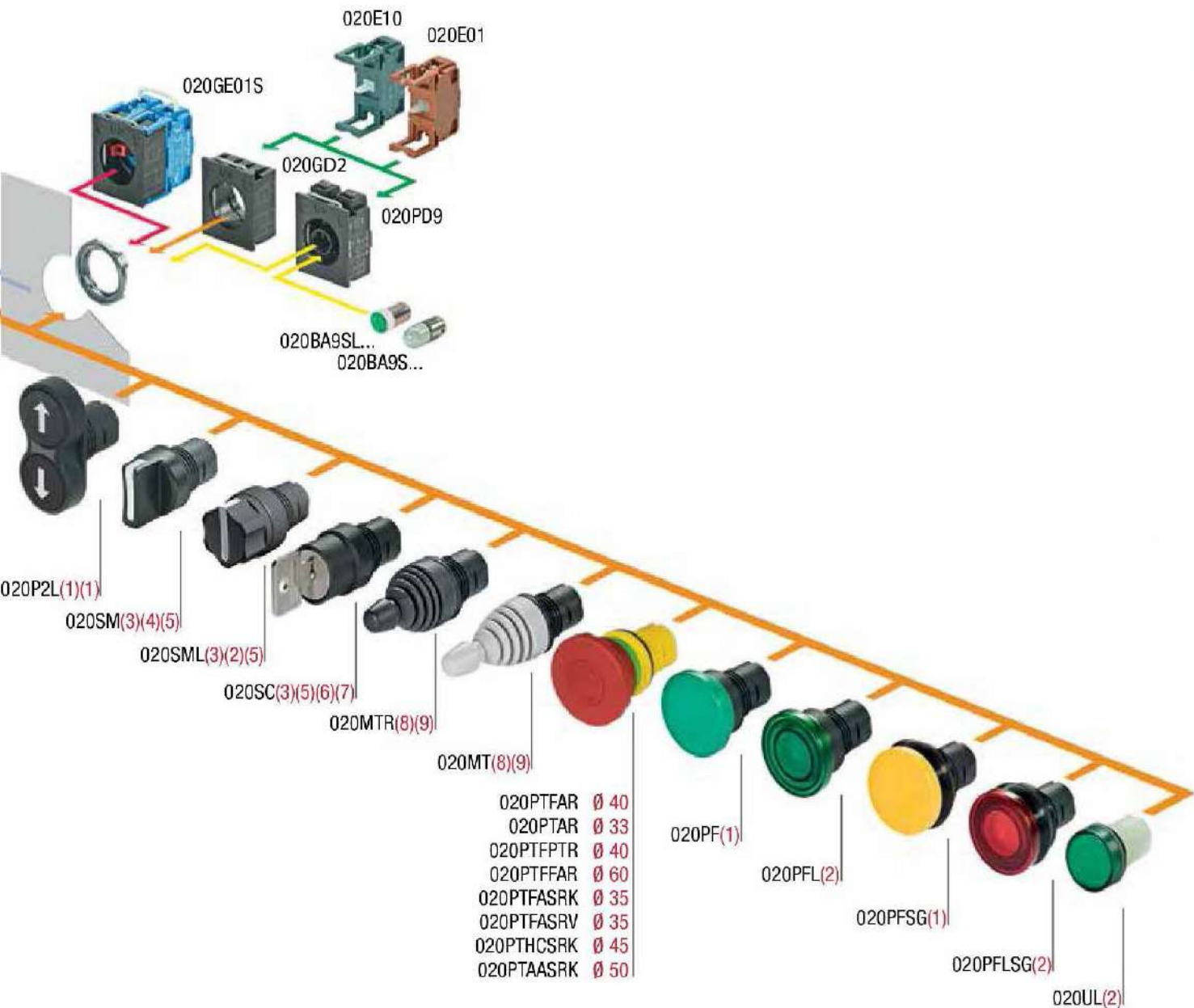
## UNITA' DI COMANDO E SEGNALAZIONE CONTROL AND INDICATING UNITS

|  |         |
|--|---------|
| Informazioni generali / <i>General information</i>   | pag. 4  |
| B1 Caratteristiche tecniche / <i>Technical datas</i>   | pag. 7  |
| Pulsanti a filo, sporgenti, luminosi, a ghiera e a fungo<br><i>Push-button with guard, extended, illuminated and latching mushroom</i> | pag. 11 |
| Selettori manopola, luminosi e a chiave a 2 o 3 posizioni<br><i>2 or 3 position knob selector, illuminated and key selector switch</i> | pag. 13 |
| Lampada spia monolitica, unità luminosa<br><i>Complete indicator light, illuminated lens</i>   | pag. 14 |
| Pulsante doppio, luminoso e sporgente<br><i>Double push-button, illuminated and extended</i>   | pag. 15 |
| Accessori / <i>Accessories</i>   | pag. 16 |
| Schema contatti / <i>Contacts diagram</i>  | pag. 19 |
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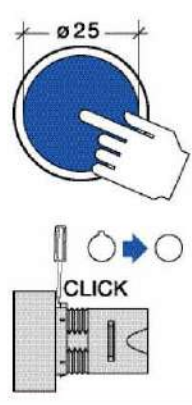
B1

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- 020PTFAR Ø 40
- 020PTAR Ø 33
- 020PTFPTR Ø 40
- 020PTFFAR Ø 60
- 020PTFASRK Ø 35
- 020PTFASRV Ø 35
- 020PTHCSRK Ø 45
- 020PTAASRK Ø 50

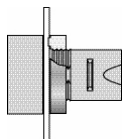


Gli operatori sono stati ideati con una grande superficie di azionamento che garantisce agilità e comfort anche con l'utilizzo di guanti da lavoro. Conferisce agli operatori luminosi una maggior superficie di segnalazione con una diffusione luminosa omogenea favorita dall'adozione di un diffusore interposto tra la lampada e la gemma colorata.

La chiavetta degli operatori permette un corretto montaggio sui pannelli con forature a norma, evitando rotazioni sia in fase di montaggio che di normale utilizzo. Per l'utilizzo con fori senza tacca è sufficiente asportare la chiave di riferimento semplicemente facendo leva con un cacciavite.

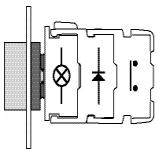
*The operators are designed and manufactured with a large switching surface to assure optimal functionality even when wearing work gloves. The larger surface means a larger indicating area in the case of illuminated buttons, with a more even distribution of light enhanced by a diffuser set between the bulb and the lens.*

*The activator key allows correct assembly on drilled panels in conformity with the standard, preventing them from turning during assembling operation and use. In case of notchless holes, removing the reference key off with a screwdriver is sufficient.*



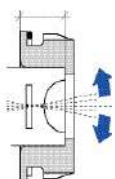
I sistemi di fissaggio adottano particolari accorgimenti tecnici come l'utilizzo della robusta ghiera di serraggio in metallo, filettata con passo fine e dotata di rigature antisvito; la scelta del metallo nella realizzazione della ghiera garantisce una lunga affidabilità nel tempo con assenza totale di flessioni o deformazioni del materiale e quindi una certezza di serraggio efficace e sicuro.

*The locking systems have special technical features such as the sturdy metal threaded fine-pitch tightening ring nut and lines to prevent it working loose; the metal ensures the ring lasts a long time without give or losing its shape thus providing safe effective locking.*



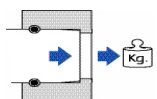
La serie SM2 è un Sistema Modulare che permette di comporre i vari elementi sia affiancandoli (sistema SIDE BY SIDE) o di sovrapporli (sistema STACK SYSTEM) alla flangia di connessione normale o con portalampada.

*The SM2 range is a modular System which allows a combination of different elements to be assembled either alongside (SIDE BY SIDE) or overlapping (STACK SYSTEM) to the connection flange or to the lampholder.*



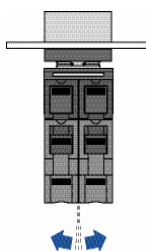
La notevole profondità di innesto tra l'operatore e la flangia di connessione permette un assemblaggio sicuro, preciso e senza vibrazioni durante l'utilizzo.

*The considerable engagement depth between the operator and the connecting flange provides safe, precise assembling and assures vibrationless operations.*



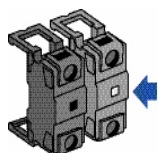
Il robusto sistema di aggancio a molla è stato ideato per garantire sicurezza, affidabilità e facilità di installazione, infatti, basta una semplice pressione e avviene l'aggancio tra l'operatore e la flangia senza dover serrare viti o sistemi analoghi; questo sistema conferisce agli elementi di contatto, con i vari sistemi di attuazione, la caratteristica di diventare un elemento unico e indivisibile evitando il pericolo di deformazioni, rotture o allentamenti che produrrebbero rotazioni dell'operatore o, in casi estremi, il distacco e la caduta degli elementi all'interno del pannello. Queste caratteristiche rendono il sistema pienamente aderente alle normative vigenti<sup>(1)</sup>.

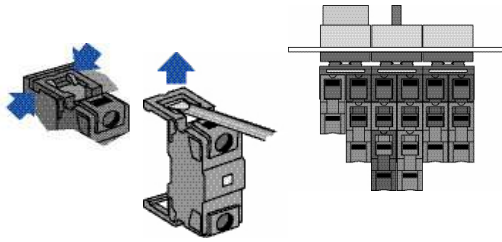
*The robust spring hooking system is designed to assure safety, reliability and easy installation, operator/flange connections is through pressure only and does not require screws or other tightening tools. This system transforms the contact elements, and the various actuators, into a single, indivisible element preventing possible deformations, breaking or loosening that can cause the operator to rotate or, in extreme cases, the element to detach and fall inside the panel. These features make the system comply with the current standards<sup>(1)</sup>*



Questo progetto è oggi tra i più versatili ed efficienti fra le soluzioni disponibili sul mercato. Gli elementi di contatto sono stati progettati per essere agganciati fra di loro garantendo la possibilità di cablaggio ad operazione avvenuta. La base di 15 mm e la particolare conformazione delle alette con doppia superficie di aggancio, danno solidità ed assenza di flessioni. Ogni elemento può essere rimosso dalla sede facendo semplicemente leva con un cacciavite nella apposita sede dell'aletta di aggancio. La colorazione (Verde NO - Rosso NC) facilita l'individuazione degli elementi anche quando sono assemblati, e la finestrella posta sul retro degli stessi permette di verificare lo stato dei contatti

*This design is one of the most versatile and effective available on the market. The contact elements are designed to interlock making wiring possible after assembly. The 15 mm base and the special wing form, with double hooking surface, provide stability without give. Each element can be removed by gently levering the housing with a screwdriver. The colour (Green NO - Red NC) makes elements recognition easy, even when assembled. The aperture in the rear up the element allows the contact position to be checked.*

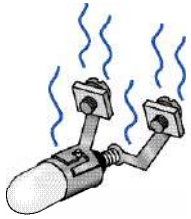




Con il sistema STACK SYSTEM vi è la possibilità di utilizzare fino a 6 elementi senza dover modificare l'interasse standard orizzontale (30 mm), di cassette o quadri già forati reperibili sul mercato, anche con blocchetti portalampe per operatori luminosi. I collegamenti sono posizionati e costruiti in modo da garantire la massima razionalità nella separazione delle zone dei morsetti di alimentazione del portalampe, dai morsetti degli elementi di contatto, evitando così complicati grovigli di cavi.

*The STACK SYSTEM makes it possible to use up to six elements without changing the standard (30 mm) horizontal centre-to-centre distances of boxes or pre-drilled panels available on the market, even with lampholders for illuminated operators. The connections are positioned and built to assure the most rational separation, of lampholder and contact element terminal blocks, so preventing the wires getting tangled up.*

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L'elevata sezione di conducibilità dei contatti favorisce la dissipazione del calore generato dalla lampada ad incandescenza.

*The high conductivity cross-section of the contacts favours the dissipation of heat.*

|   |  |
|---|--|
| RISPONDEZZA ALLE NORME                          | EN/IEC 60947 - 1, EN/IEC 60497 - 5 - 1, EN/IEC - 5 - 4, EN/IEC60947 - 5 - 5, EN/ISO13850, EN/IEC 60204 - 1, IEC60364 - 5 - 53, UL 508 CSA C22-2 N°14   |
| OMOLOGAZIONI                                    | RINA. CSA. UL  |
| PROTEZIONI CLIMATICHE                           | In esecuzione normale T.C. tutti i climi.(40° - UR35%)   |
| LIMITI DI TEMPERATURE                           | serie "E"<br>Funzionamento $\geq -40^{\circ}\text{C} \div \leq +70^{\circ}\text{C}$ , Stoccaggio $-45^{\circ}+75^{\circ}\text{C}$ ,<br>Serie "W"<br>Funzionamento : $\geq -25^{\circ}\text{C} \div \leq +65^{\circ}\text{C}$ , Stoccaggio $-35^{\circ}\text{C}+70^{\circ}\text{C}$   |
| POSIZIONE DI FUNZIONAMENTO                      | Tutte le posizioni   |
| RESISTENZA AGLI URTI                            | 50g (durata 11ms) forma 1/2 sinusoidale secondo IEC 60068 - 2 - 7  |
| RESISTENZA ALLE VIBRAZIONI                      | 16 g. 40 ÷ 500 Hz secondo IEC 60068 - 2 - 6  |
| ALTITUDINE DI IMPIEGO                           | $\leq 3.000$ mt.   |
| GRADO DI PROTEZIONE                             | Serie "E" IP 66 pulsanti normali, luminosi, lampade, selettori.. - IP 68 pulsanti cappuccio gomma e manipolatori , Seconda norma EN/IEC 60529<br>IP69K secondo norma EN /IEC DIN 40050<br>Serie "W"<br>IP 65 pulsanti normali, luminosi, lampade, selettori. - IP 66 pulsanti cappuccio gomma , Secondo norma EN/IEC 60529 |
| PROTEZIONE CONTRO SCOSSA ELETTRICA              | Classe II secondo IEC 61140.   |
| COPPIA DI SERRAGGIO                             | Ghiera di fissaggio operatori 3 ÷ 3,5 Nm - Viti terminali:0,8 - 1,0Nm  |
| FORZA DI AZIONAMENTO                            | Pulsante con contatto NO 5N - Contatti aggiuntivi: NO 1,5N - NC1,5N - selettore: 0,15 Nm   |
| DURATA MECCANICA                                | Pulsanti normali, luminosi - 3milioni di manovre. Selettori, manipolatori, 1 milione di manovre. Emergenze fungo aggancio e stabili 500.000 manovre  |
| DIMENSIONI DI MONTAGGIO                         | Pannelli con spessore 1÷ 6 mm - Forature secondo CEI EN 60947 - 5 - 1  |
| TENSIONE DI TENUTA AGLI IMPULSI                 | Uimp 4KV secondo EN/IEC 60947-1  |
| MATERIALE CONTATTI                              | Pastiglie di contatto in Ag 1000/1000 , per versioni Au: Ag 1000/1000, dorati  |
| AFFIDIBILITA' ELETTRICA (PERCENTUALE DI GUASTO) | Secondo EN/IEC 947-5-4<br>Contatti 020 E10/E01 12V-5mA $< 10^{-8}$<br>Contatti 020 E10AU/E01AU 5V -1mA $< 10^{-7}$   |



|  |  |   |     |   |       |      |       |     |       |               |       |               |     |     |      |     |     |               |    |   |   |   |   |   |     |     |     |               |   |     |   |     |      |
|--|--|---|-----|---|-------|------|-------|-----|-------|---------------|-------|---------------|-----|-----|------|-----|-----|---------------|----|---|---|---|---|---|-----|-----|-----|---------------|---|-----|---|-----|------|
| TENSIONE NOMINALE ISOLAMENTO           | Ui 690 V grado di inquinamento 3 secondo EN/IEC 60947-1  |   |     |   |       |      |       |     |       |               |       |               |     |     |      |     |     |               |    |   |   |   |   |   |     |     |     |               |   |     |   |     |      |
| PROTEZIONE CORTO-CIRCUITO              | Fusibili DIAZED 10A classe di intervento gL/gG forma D II secondo IEC 60269-1  |   |     |   |       |      |       |     |       |               |       |               |     |     |      |     |     |               |    |   |   |   |   |   |     |     |     |               |   |     |   |     |      |
| CORRENTE NOMINALE TERMICA              | Ith 10A secondo EN/IEC 60947-5-1   |   |     |   |       |      |       |     |       |               |       |               |     |     |      |     |     |               |    |   |   |   |   |   |     |     |     |               |   |     |   |     |      |
| CATEGORIE NOMINALI DI IMPIEGO          | Secondo IEC 947-5-1 cat AC15 cat DC 13<br><table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Tensione Ue V</td> <td>24*</td> <td>48</td> <td>60</td> <td>110*</td> <td>220</td> <td>380</td> <td>400*</td> <td>500</td> <td>600</td> <td>Tensione Ue V</td> <td>24*</td> <td>48</td> <td>60*</td> <td>110</td> <td>220</td> </tr> <tr> <td>Corrente Ie A</td> <td>10</td> <td>8</td> <td>6</td> <td>6</td> <td>3</td> <td>2</td> <td>1,5</td> <td>1,5</td> <td>1,2</td> <td>Corrente Ie A</td> <td>5</td> <td>2,7</td> <td>2</td> <td>1,1</td> <td>0,55</td> </tr> </table>  | Tensione Ue V   | 24* | 48  | 60    | 110* | 220   | 380 | 400*  | 500           | 600   | Tensione Ue V | 24* | 48  | 60*  | 110 | 220 | Corrente Ie A | 10 | 8 | 6 | 6 | 3 | 2 | 1,5 | 1,5 | 1,2 | Corrente Ie A | 5 | 2,7 | 2 | 1,1 | 0,55 |
| Tensione Ue V                          | 24*  | 48  | 60  | 110*  | 220   | 380  | 400*  | 500 | 600   | Tensione Ue V | 24*   | 48            | 60* | 110 | 220  |     |     |               |    |   |   |   |   |   |     |     |     |               |   |     |   |     |      |
| Corrente Ie A                          | 10   | 8   | 6   | 6   | 3     | 2    | 1,5   | 1,5 | 1,2   | Corrente Ie A | 5     | 2,7           | 2   | 1,1 | 0,55 |     |     |               |    |   |   |   |   |   |     |     |     |               |   |     |   |     |      |
| DURATA ELETTRICA                       | <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>Corrente alternata 50 ÷ 60Hz cat AC15</p> </div> <div style="width: 48%;"> <p>Corrente continua cat DC 13</p> </div> </div>  |   |     |   |       |      |       |     |       |               |       |               |     |     |      |     |     |               |    |   |   |   |   |   |     |     |     |               |   |     |   |     |      |
| GRADO DI PROTEZIONE                    | IP20 secondo IEC 60529   |   |     |   |       |      |       |     |       |               |       |               |     |     |      |     |     |               |    |   |   |   |   |   |     |     |     |               |   |     |   |     |      |
| VITI TERMINALI                         | Testa combinata taglio e Philips Ph2 in acciaio zincato o acciaio inox per versioni E10AU/E01AU<br>Capacità di chiusura: ≥ 1 x 0,5 mm, ≤ 2 x 2,5 mm-<br>Capicorda a forcella "spring spade"  |   |     |   |       |      |       |     |       |               |       |               |     |     |      |     |     |               |    |   |   |   |   |   |     |     |     |               |   |     |   |     |      |
| IDENTIFICAZIONE MORSETTI               | 1° cifra ordine di montaggio su flangia di connessione.<br>2° cifra funzione contatto su elemento, 1 - 2 NC, 3 - 4 NO  |   |     |   |       |      |       |     |       |               |       |               |     |     |      |     |     |               |    |   |   |   |   |   |     |     |     |               |   |     |   |     |      |
| FUNZIONAMENTO CONTATTI                 | NO/NC ad azione lenta con autopulitura a strisciamento- Contatti NC ad apertura positiva secondo EN/EIC 947-5-1 allegato K   |   |     |   |       |      |       |     |       |               |       |               |     |     |      |     |     |               |    |   |   |   |   |   |     |     |     |               |   |     |   |     |      |
| CORSA E COMMUTAZIONI CONTATTI          | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>1mm</td> <td>NC</td> <td rowspan="5" style="text-align: center; vertical-align: middle;"> <div style="display: flex; justify-content: space-around;"> <div style="width: 15px; height: 10px; background-color: #0056b3; border: 1px solid black;"></div> Normalmente Chiuso<br/> <div style="width: 15px; height: 10px; background-color: white; border: 1px solid black;"></div> Normalmente Aperto                 </div> </td> </tr> <tr> <td>3,6mm</td> <td>NO</td> </tr> <tr> <td>2,5mm</td> <td>NCR</td> </tr> <tr> <td>1,9mm</td> <td>NOA</td> </tr> <tr> <td>1,9mm</td> <td>NOA</td> </tr> </table> | 1mm   | NC  | <div style="display: flex; justify-content: space-around;"> <div style="width: 15px; height: 10px; background-color: #0056b3; border: 1px solid black;"></div> Normalmente Chiuso<br/> <div style="width: 15px; height: 10px; background-color: white; border: 1px solid black;"></div> Normalmente Aperto                 </div> | 3,6mm | NO   | 2,5mm | NCR | 1,9mm | NOA           | 1,9mm | NOA           |     |     |      |     |     |               |    |   |   |   |   |   |     |     |     |               |   |     |   |     |      |
| 1mm                                    | NC   | <div style="display: flex; justify-content: space-around;"> <div style="width: 15px; height: 10px; background-color: #0056b3; border: 1px solid black;"></div> Normalmente Chiuso<br/> <div style="width: 15px; height: 10px; background-color: white; border: 1px solid black;"></div> Normalmente Aperto                 </div> |     |   |       |      |       |     |       |               |       |               |     |     |      |     |     |               |    |   |   |   |   |   |     |     |     |               |   |     |   |     |      |
| 3,6mm                                  | NO   |   |     |   |       |      |       |     |       |               |       |               |     |     |      |     |     |               |    |   |   |   |   |   |     |     |     |               |   |     |   |     |      |
| 2,5mm                                  | NCR  |   |     |   |       |      |       |     |       |               |       |               |     |     |      |     |     |               |    |   |   |   |   |   |     |     |     |               |   |     |   |     |      |
| 1,9mm                                  | NOA  |   |     |   |       |      |       |     |       |               |       |               |     |     |      |     |     |               |    |   |   |   |   |   |     |     |     |               |   |     |   |     |      |
| 1,9mm                                  | NOA  |   |     |   |       |      |       |     |       |               |       |               |     |     |      |     |     |               |    |   |   |   |   |   |     |     |     |               |   |     |   |     |      |
| FORZA PER APERTURA POSITIVA            | 5N pulsante normale. 40N pulsante a fungo  |   |     |   |       |      |       |     |       |               |       |               |     |     |      |     |     |               |    |   |   |   |   |   |     |     |     |               |   |     |   |     |      |
| VELOCITA' DI AZIONAMENTO PORTA-LAMPADA | max 20 mm/s min 10mm/s   |   |     |   |       |      |       |     |       |               |       |               |     |     |      |     |     |               |    |   |   |   |   |   |     |     |     |               |   |     |   |     |      |
| PORTALAMPADA OPERATORI LUMI-NOSI       | Attacco BA9S; incandescenza, neon, multiled Potenze raccomandate: lampade 2,6W - pulsanti, selettori 1,2W  |   |     |   |       |      |       |     |       |               |       |               |     |     |      |     |     |               |    |   |   |   |   |   |     |     |     |               |   |     |   |     |      |
| DURATA LAMPADA <sup>(3)</sup>          | Incandescenza ≤ 1.000 h - Neon ≤ 3.000 h - Multiled ≥ 50.000 h   |   |     |   |       |      |       |     |       |               |       |               |     |     |      |     |     |               |    |   |   |   |   |   |     |     |     |               |   |     |   |     |      |

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|--|---|
| STANDARDS COMPLIANCE                           | EN/IEC 60947 - 1, EN/IEC 60497 - 5 - 1, EN/IEC - 5 - 4, EN/IEC60947 - 5 - 5, EN/ISO13850, EN/IEC 60204 - 1, IEC60364 - 5 - 53, UL 508 CSA C22-2 N°14  |
| APPROVALS                                      | RINA. CSA. UL   |
| CLIMATIC PROTECTION                            | In normal functioning, T.C. all climates.(40° - UR35 %)   |
| TEMPERATURE RANGES                             | Series "E"<br>Operating $\geq -40^{\circ}\text{C} \div \leq +70^{\circ}\text{C}$ , Storage $-45^{\circ}+75^{\circ}\text{C}$ ,<br>Series "W"<br>Operating $\geq -25^{\circ}\text{C} \div \leq +65^{\circ}\text{C}$ - Stocking $\geq -35^{\circ}\text{C} \div \leq +70^{\circ}\text{C}$   |
| OPERATING POSITIONS                            | All positions   |
| SHOCK RESISTANCE                               | 50g (duration 11ms) half sine wave in compliance with IEC 60068 - 2 - 27  |
| VIBRATION RESISTANCE                           | 16 g. 40 ÷ 500 ≤ Hz in conformity with IEC 68 - 2 - 6   |
| OPERATING ALTITUDE                             | ≤ 3,000 mt.   |
| PROTECTION DEGREE                              | Series "E" IP66 normal, twin, illuminated, push buttons, lamps, selector switches. - IP68 push buttons with rubber cap and joysticks in compliance with EN / IEC 60529<br>IP69K in compliance with EN/IEC DIN 40050<br>Metal bezel series<br>Series "W" IP 65 normal, illuminated, lamp, selector switches - IP 66 push buttons with rubber cap in compliance with EN/IEC 606529. |
| ELECTRICAL SHOCK PROTECTION                    | Class II in conformity with IEC 61140   |
| TIGHTENING TORQUE                              | Operator fixing ring 3 ÷ 3,5 Nm - Terminal screws 0.8 ÷ 1,0 Nm.   |
| OPERATING FORCES                               | Switch with contact NO 5N - Additional contacts: NO 1,5N - NC 1,5N - selector switch: 0,15Nm  |
| MECHANICAL LIFE                                | Normal, illuminated, mushroom pulse, push-buttons - 3millions operations Selectors, control levers, jog 1million operations. Latch mushroom head: 500.000 operations  |
| MOUNTING DIMENSIONS                            | Panel with thickness 1÷ 6 mm - Holes in conformity with CEI EN 60947 - 5 - 1  |
| IMPULSE WITHSTAND VOLTAGE                      | Uimp 4KV in compliance with EN / IEC 60947-1  |
| CONTACT MATERIAL                               | Contact pads on Ag 1000/1000<br>for models au: Ag 1000/1000. gold plated  |
| ELECTRICAL RELIABILITY<br>(FAILURE PERCENTAGE) | In compliance with EN /IEC 947-5-4<br>Contact 020 E10/E01 12V-5 mA $< 10^{-8}$<br>Contact 020 E10AU /EO10AU 5V-1 mA $< 10^{-7}$   |

|                                     |   |              |     |      |     |      |      |     |      |              |     |              |     |     |      |     |     |              |    |   |   |   |   |   |     |     |     |              |   |     |   |     |      |
|-------------------------------------|---|--------------|-----|------|-----|------|------|-----|------|--------------|-----|--------------|-----|-----|------|-----|-----|--------------|----|---|---|---|---|---|-----|-----|-----|--------------|---|-----|---|-----|------|
| RATED INSULATION VOLTAGE            | Ui 690 V pollution degree 3 in compliance with EN /IEC 60947-1  |              |     |      |     |      |      |     |      |              |     |              |     |     |      |     |     |              |    |   |   |   |   |   |     |     |     |              |   |     |   |     |      |
| SHORT CIRCUIT PROTECTION            | Fuses DIAZED 10A operating class gL/gG shape D II second IEC 60269-1  |              |     |      |     |      |      |     |      |              |     |              |     |     |      |     |     |              |    |   |   |   |   |   |     |     |     |              |   |     |   |     |      |
| RATED THERMAL CURRENT               | Ith 10A secondo EN/IEC 60947-5-1  |              |     |      |     |      |      |     |      |              |     |              |     |     |      |     |     |              |    |   |   |   |   |   |     |     |     |              |   |     |   |     |      |
| RATED POWER OUTPUT                  | In conformity with IEC 947-5-1 cat AC15 cat DC 13<br><table border="1"> <tr> <td>Tension Ue V</td> <td>24*</td> <td>48</td> <td>60</td> <td>110*</td> <td>220</td> <td>380</td> <td>400*</td> <td>500</td> <td>600</td> <td>Tension Ue V</td> <td>24*</td> <td>48</td> <td>60*</td> <td>110</td> <td>220</td> </tr> <tr> <td>Current Ie A</td> <td>10</td> <td>8</td> <td>6</td> <td>6</td> <td>3</td> <td>2</td> <td>1,5</td> <td>1,5</td> <td>1,2</td> <td>Current Ie A</td> <td>5</td> <td>2,7</td> <td>2</td> <td>1,1</td> <td>0,55</td> </tr> </table> | Tension Ue V | 24* | 48   | 60  | 110* | 220  | 380 | 400* | 500          | 600 | Tension Ue V | 24* | 48  | 60*  | 110 | 220 | Current Ie A | 10 | 8 | 6 | 6 | 3 | 2 | 1,5 | 1,5 | 1,2 | Current Ie A | 5 | 2,7 | 2 | 1,1 | 0,55 |
| Tension Ue V                        | 24*   | 48           | 60  | 110* | 220 | 380  | 400* | 500 | 600  | Tension Ue V | 24* | 48           | 60* | 110 | 220  |     |     |              |    |   |   |   |   |   |     |     |     |              |   |     |   |     |      |
| Current Ie A                        | 10  | 8            | 6   | 6    | 3   | 2    | 1,5  | 1,5 | 1,2  | Current Ie A | 5   | 2,7          | 2   | 1,1 | 0,55 |     |     |              |    |   |   |   |   |   |     |     |     |              |   |     |   |     |      |
| ELECTRICAL DURATION                 | <p>Alternated current 50 ÷ 60Hz cat AC15</p> <p>Direct Current cat DC 13</p>  |              |     |      |     |      |      |     |      |              |     |              |     |     |      |     |     |              |    |   |   |   |   |   |     |     |     |              |   |     |   |     |      |
| DEGREE OF PROTECTION                | Terminals IP20 in compliance with IEC 60529   |              |     |      |     |      |      |     |      |              |     |              |     |     |      |     |     |              |    |   |   |   |   |   |     |     |     |              |   |     |   |     |      |
| TERMINAL SCREWS                     | Combined slot and Philips Ph2 head , zinc plated or stainless steel for E 10AU / E01AU<br>Connection capacity: ≥ 1 x 0,5 mm, ≤ 2 x 2,5 mm<br>Fork spring spade terminals  |              |     |      |     |      |      |     |      |              |     |              |     |     |      |     |     |              |    |   |   |   |   |   |     |     |     |              |   |     |   |     |      |
| IDENTIFICATION OF TERMINALS         | 1ST number, assembling order of connection flange.<br>2ND number, element contact function, 1 - 2 NC, 3 - 4 NO  |              |     |      |     |      |      |     |      |              |     |              |     |     |      |     |     |              |    |   |   |   |   |   |     |     |     |              |   |     |   |     |      |
| 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 |   |              |     |      |     |      |      |     |      |              |     |              |     |     |      |     |     |              |    |   |   |   |   |   |     |     |     |              |   |     |   |     |      |
| POSITIVE OPENING FORCE              | 5N normal push button. 40N mushroom push button   |              |     |      |     |      |      |     |      |              |     |              |     |     |      |     |     |              |    |   |   |   |   |   |     |     |     |              |   |     |   |     |      |
| OPERATION SPEED LAMPHOLDER          | max 20 mm/s min 10mm/s  |              |     |      |     |      |      |     |      |              |     |              |     |     |      |     |     |              |    |   |   |   |   |   |     |     |     |              |   |     |   |     |      |
| LAMPHOLDER ILLUMINATED OPERATORS    | BA9S connection; incandescence, neon, multiled. Recommended power: indicator light 2.6W - pushbuttons, selector 1.2W.   |              |     |      |     |      |      |     |      |              |     |              |     |     |      |     |     |              |    |   |   |   |   |   |     |     |     |              |   |     |   |     |      |
| LAMP DURATION                       | Incandescence ≤ 1,000 h - Neon ≤ 3,000 h - Multiled ≥ 50,000 h  |              |     |      |     |      |      |     |      |              |     |              |     |     |      |     |     |              |    |   |   |   |   |   |     |     |     |              |   |     |   |     |      |

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**PULSANTE FILO GHIERA - PUSH-BUTTON WITH GUARD**


| MODELLO TYPE |   | CODICE PART N. | COLORE COLOUR   | [gr] |
|--------------|---|----------------|-----------------|------|
| 020PIB       | ■ | 4.230.086      | BIANCO / WHITE  | 19   |
| 020PIBL      | ■ | 4.230.087      | BLU / BLUE      | 19   |
| 020PIG       | ■ | 4.230.088      | GIALLO / YELLOW | 19   |
| 020PIGR      | ■ | 4.230.089      | GRIGIO / GREY   | 19   |
| 020PIN       | ■ | 4.230.097      | NERO / BLACK    | 19   |
| 020PIR       | ■ | 4.230.098      | ROSSO / RED     | 19   |
| 020PIV       | ■ | 4.230.099      | VERDE / GREEN   | 19   |

**PULSANTE SPORGENTE - PUSH-BUTTONS WITHOUT GUARD**


| MODELLO TYPE |   | CODICE PART N. | COLORE COLOUR   | [gr] |
|--------------|---|----------------|-----------------|------|
| 020PSB       | ■ | 4.230.102      | BIANCO / WHITE  | 22   |
| 020PSBL      | ■ | 4.230.103      | BLU / BLUE      | 22   |
| 020PSG       | ■ | 4.230.105      | GIALLO / YELLOW | 22   |
| 020PSGR      | ■ | 4.230.106      | GRIGIO / GREY   | 22   |
| 020PSN       | ■ | 4.230.116      | NERO / BLACK    | 22   |
| 020PSR       | ■ | 4.230.117      | ROSSO / RED     | 22   |
| 020PSV       | ■ | 4.230.118      | VERDE / GREEN   | 22   |

**PULSANTE PROTETTO - PUSH-BUTTON WITH PROTECTED GUARD**


| MODELLO TYPE |   | CODICE PART N. | COLORE COLOUR | [gr] |
|--------------|---|----------------|---------------|------|
| 020PIPN      | ■ | 4.230.155      | NERO / BLACK  | 23   |
| 020PIPR      | ■ | 4.230.156      | ROSSO / RED   | 23   |

**PULSANTE FILO GHIERA IP66 - PUSH-BUTTON WITH GUARD IP66**


| MODELLO TYPE |   | CODICE PART N. | COLORE COLOUR   | [gr] |
|--------------|---|----------------|-----------------|------|
| 020PICGB     | ■ | 4.230.120      | BIANCO / WHITE  | 21   |
| 020PICGBL    | ■ | 4.230.121      | BLU / BLUE      | 21   |
| 020PICGG     | ■ | 4.230.122      | GIALLO / YELLOW | 21   |
| 020PICGGR    | ■ | 4.230.123      | GRIGIO / GREY   | 21   |
| 020PICGN     | ■ | 4.230.131      | NERO / BLACK    | 21   |
| 020PICGR     | ■ | 4.230.132      | ROSSO / RED     | 21   |
| 020PICGV     | ■ | 4.230.133      | VERDE / GREEN   | 21   |

**PULSANTE SPORGENTE IP66 - EXTENDED PUSH-BUTTON IP66**


| MODELLO TYPE |  | CODICE PART N. | COLORE COLOUR   | [gr] |
|--------------|--|----------------|-----------------|------|
| 020PSCGB     |  | 4.230.134      | BIANCO / WHITE  | 21   |
| 020PSCGBL    |  | 4.230.135      | BLU / BLUE      | 21   |
| 020PSCGG     |  | 4.230.136      | GIALLO / YELLOW | 21   |
| 020PSCGGR    |  | 4.230.137      | GRIGIO / GREY   | 21   |
| 020PSCGN     |  | 4.230.145      | NERO / BLACK    | 21   |
| 020PSCGR     |  | 4.230.146      | ROSSO / RED     | 21   |
| 020PSCGV     |  | 4.230.147      | VERDE / GREEN   | 21   |

**PULSANTE LUMINOSO FILO GHIERA - ILLUMINATED PUSH-BUTTON WITH**


| MODELLO TYPE |   | CODICE PART N. | COLORE COLOUR    | [gr] |
|--------------|---|----------------|------------------|------|
| 020PLIA      | ■ | 4.230.090      | ARANCIONE/ORANGE | 19   |
| 020PLIB      | ■ | 4.230.091      | BIANCO / WHITE   | 19   |
| 020PLIBL     | ■ | 4.230.092      | BLU / BLUE       | 19   |
| 020PLIG      | ■ | 4.230.093      | GIALLO / YELLOW  | 19   |
| 020PLII      | ■ | 4.230.094      | INCOLORE/CLEAR   | 19   |
| 020PLIR      | ■ | 4.230.095      | ROSSO / RED      | 19   |
| 020PLIV      | ■ | 4.230.096      | VERDE / GREEN    | 19   |

**PULSANTE LUMINOSO SPORGENTE - EXTENDED ILLUMINATED PUSH-**


| MODELLO TYPE |   | CODICE PART N. | COLORE COLOUR    | [gr] |
|--------------|---|----------------|------------------|------|
| 020PLSA      | ■ | 4.230.109      | ARANCIONE/ORANGE | 22   |
| 020PLSB      | ■ | 4.230.110      | BIANCO / WHITE   | 22   |
| 020PLSBL     | ■ | 4.230.111      | BLU / BLUE       | 22   |
| 020PLSG      | ■ | 4.230.112      | GIALLO / YELLOW  | 22   |
| 020PLSI      | ■ | 4.230.113      | INCOLORE / CLEAR | 22   |
| 020PLSR      | ■ | 4.230.114      | ROSSO / RED      | 22   |
| 020PLSV      | ■ | 4.230.115      | VERDE / GREEN    | 22   |

**PULSANTI SCHERMATI - SCREENED PUSHBUTTONS**


| MODELLO TYPE |   | CODICE PART N. | COLORE COLOUR      | [gr] |
|--------------|---|----------------|--------------------|------|
| 020PLPR      | ■ | 8401303        | ROSSO / RED        | 23   |
| 020PLPV      | ■ |                | VERDE / GREEN      | 23   |
| 020PLPG      | ■ |                | GIALLO / YELLOW    | 23   |
| 020PLPBL     | ■ | 8401620        | BLU / BLUE         | 23   |
| 020PLPB      | ■ |                | BIANCO / WHITE     | 23   |
| 020PLPI      | ■ |                | INCOLORE / NEUTRAL | 23   |
| 020PLPA      | ■ |                | ARANCIONE / ORANGE | 23   |

**PULSANTI LUMINOSI FILO GHIERA IP 66 - BUTTON WITH GUARD IP66**


| MODELLO TYPE |  | CODICE PART N. | COLORE COLOUR    | [gr] |
|--------------|--|----------------|------------------|------|
| 020PLICGA    |  | 4.230.124      | ARANCIONE/ORANGE | 21   |
| 020PLICGB    |  | 4.230.125      | BIANCO / WHITE   | 21   |
| 020PLICGBL   |  | 4.230.126      | BLU / BLUE       | 21   |
| 020PLICGG    |  | 4.230.127      | GIALLO / YELLOW  | 21   |
| 020PLICGI    |  | 4.230.128      | INCOLORE / CLEAR | 21   |
| 020PLICGR    |  | 4.230.129      | ROSSO / RED      | 21   |
| 020PLICGV    |  | 4.230.130      | VERDE / GREEN    | 21   |

**PULSANTE LUMINOSO SPORGENTE IP66 - EXTENDED ILLUMINATED PUSH-BUTTON**


| MODELLO TYPE |  | CODICE PART N. | COLORE COLOUR    | [gr] |
|--------------|--|----------------|------------------|------|
| 020PLSCGA    |  | 4.230.138      | ARANCIONE/ORANGE | 24   |
| 020PLSCGB    |  | 4.230.139      | BIANCO / WHITE   | 24   |
| 020PLSCGBL   |  | 4.230.140      | BLU / BLUE       | 24   |
| 020PLSCGG    |  | 4.230.141      | GIALLO / YELLOW  | 24   |
| 020PLSCGI    |  | 4.230.142      | INCOLORE/CLEAR   | 24   |
| 020PLSCGR    |  | 4.230.143      | ROSSO / RED      | 24   |
| 020PLSCGV    |  | 4.230.144      | VERDE / GREEN    | 24   |

■ Confezioni da 2 pezzi / 2 pieces pack

**PULSANTE A FUNGO MOMENTANEO Ø40mm**  
**PULSE MUSHROOM PUSH-BUTTON Ø40mm GUARD**



| MODELLO<br>TYPE | CODICE<br>PART N. | COLORE<br>COLOUR | [gr] |
|-----------------|-------------------|------------------|------|
| 020PTFG         | 4.230.568         | GIALLO / YELLOW  | 32   |
| 020PTFN         | 4.230.569         | NERO / BLACK     | 32   |
| 020PTFR         | 4.230.570         | ROSSO / RED      | 32   |
| 020PTFV         | 4.230.571         | VERDE / GREEN    | 32   |

**PULSANTE A FUNGO MOMENTANEO Ø60mm**  
**PULSE MUSHROOM PUSH-BUTTON Ø60mm**



| MODELLO<br>TYPE | CODICE<br>PART N. | COLORE<br>COLOUR | [gr] |
|-----------------|-------------------|------------------|------|
| 020PTFFR        |                   | ROSSO / RED      | 36   |

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**PULSANTE A FUNGO AD AGGANCIAMENTO/SGANCIAMENTO A SCATTO**  
**LOCKING OF THE LATCHING DEVICE**



| MODELLO<br>TYPE | CODICE<br>PART N. | COLORE<br>COLOUR | [gr] |
|-----------------|-------------------|------------------|------|
| 020PTHCSRK      | 4.229.150         | ROSSO / RED      | 55   |

**PULSANTE A FUNGO AD AGGANCIAMENTO/SGANCIAMENTO A ROTAZIONE Ø32mm**  
**FAST LATCHING MUSHROOM PUSH-BUTTON (ROTATION RELEASE)**



| MODELLO<br>TYPE | CODICE<br>PART N. | COLORE<br>COLOUR | [gr] |
|-----------------|-------------------|------------------|------|
| 020PTAR         | 4.229.101         | ROSSO / RED      | 30   |

**PULSANTE A FUNGO AD AGGANCIAMENTO A ROTAZIONE**  
**FAST LATCHING MUSHROOM PUSH-BUTTON**



| MODELLO<br>TYPE | CODICE<br>PART N. | COLORE<br>COLOUR | [gr] |
|-----------------|-------------------|------------------|------|
| 020PTFAR        | 4.230.548         | ROSSO / RED      | 35   |

**PULSANTE A FUNGO AD AGGANCIAMENTO/SGANCIAMENTO A ROTAZIONE Ø60mm**  
**LATCHING MUSHROOM PUSH-BUTTON (ROTATION RELEASE) Ø60mm**



| MODELLO<br>TYPE | CODICE<br>PART N. | COLORE<br>COLOUR | [gr] |
|-----------------|-------------------|------------------|------|
| 020PTFFAR       | 4.230.556         | ROSSO / RED      | 39   |

**PULSANTE A FUNGO AD AGGANCIAMENTO/SGANCIAMENTO A SCATTO**  
**LOCKING OF THE LATCHING DEVICE**



| MODELLO<br>TYPE | CODICE<br>PART N. | COLORE<br>COLOUR | [gr] |
|-----------------|-------------------|------------------|------|
| 020PTFASRV      | 4.229.541         | ROSSO / RED      | 55   |

**PULSANTIERE DI EMERGENZA**  
**EMERGENCY STOP CONTROL STATIONS**



| MODELLO<br>TYPE | CODICE<br>PART N. | COLORE<br>COLOUR | [gr] |
|-----------------|-------------------|------------------|------|
| 080CA0808-6GA   | 4.229.600         | EMERGENZA        | 165  |

**PULSANTIERA DI EMERGENZA CON GUARDIA**  
**EMERGENCY STOP PUSH-BUTTON WITH GUARD**



| MODELLO<br>TYPE | CODICE<br>PART N. | COLORE<br>COLOUR | [gr] |
|-----------------|-------------------|------------------|------|
| 080CA0808-6GEAS | 4.229.601         | EMERGENZA        | 230  |

**SELETTORE MANOPOLA NERA CON INSERTO BIANCO - 2 POSIZIONI**
**BLACK KNOB SELECTORS WHIT WHITE INSERT - 2 POSITIONS**


| MODELLO<br>TYPE |   | CODICE<br>PART N. | COLORE<br>COLOUR | [gr] |
|-----------------|---|-------------------|------------------|------|
| 020SMAN         | ■ | 4.230.286         | BIANCO / WHITE   | 27,4 |
| 020SMBN         |   | 4.230.293         | BIANCO / WHITE   | 27,4 |
| 020SMBND        |   | 4.230.294         | BIANCO / WHITE   | 27,4 |
| 020SMCN         |   | 4.230.303         | BIANCO / WHITE   | 27,4 |
| 020SMCNS        |   | 4.230.304         | BIANCO / WHITE   | 27,4 |

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**SELETTORE MANOPOLA NERA CON INSERTO BIANCO - 3 POSIZIONI**
**BLACK KNOB SELECTORS WHIT WHITE INSERT - 3 POSITIONS**


| MODELLO<br>TYPE |   | CODICE<br>PART N. | COLORE<br>COLOUR | [gr] |
|-----------------|---|-------------------|------------------|------|
| 020SMON         | ■ | 4.230.355         | BIANCO / WHITE   | 27,4 |
| 020SMONC        | ■ | 4.230.356         | BIANCO / WHITE   | 27,4 |
| 020SMTN         |   | 4.229.385         | BIANCO / WHITE   | 27,4 |
| 020SMOND        |   | 4.230.357         | BIANCO / WHITE   | 27,4 |
| 020SMONS        |   | 4.230.358         | BIANCO / WHITE   | 27,4 |

**SELETTORE MANOPOLA NERA CON INSERTO BIANCO - 4**
**BLACK KNOB SELECTORS WHIT WHITE INSERT - 4 POSITIONS**


| MODELLO<br>TYPE |  | CODICE<br>PART N. | COLORE<br>COLOUR | [gr] |
|-----------------|--|-------------------|------------------|------|
| 020SMQN         |  | 4.230.369         | BIANCO / WHITE   | 27,4 |

**SELETTORE MANOPOLA NERA CON INSERTO BIANCO - 5 POSIZIONI**
**BLACK KNOB SELECTOR WHIT WHITE INSERT - 5 POSITIONS**


| MODELLO<br>TYPE |  | CODICE<br>PART N. | COLORE<br>COLOUR | [gr] |
|-----------------|--|-------------------|------------------|------|
| 020SMRN         |  | 4.230.374         | BIANCO / WHITE   | 27,4 |

**SELETTORE MANOPOLA NERA CON INSERTO ILLUMINATO - 2 POSIZIONI**
**BLACK KNOB SELECTOR WHIT ILLUMINAETD INSERT - 2 POSITIONS**


| MODELLO<br>TYPE |   | CODICE<br>PART N. | COLORE<br>COLOUR | [gr] |
|-----------------|---|-------------------|------------------|------|
| 020SMLAG        | ■ | 4.230.317         | GIALLO / YELLOW  | 27   |
| 020SMLAV        | ■ | 4.230.324         | VERDE / GREEN    | 27   |
| 020SMLAR        | ■ | 4.230.321         | ROSSO / RED      | 27   |
| 020SMLAB        | ■ | 4.230.313         | BIANCO / WHITE   | 27   |

**SELETTORE MANOPOLA NERA CON INSERTO ILLUMINATO - 3 POSIZIONI**
**BLACK KNOB SELECTOR WHIT ILLUMINAETD INSERT - 3 POSITIONS**


| MODELLO<br>TYPE |   | CODICE<br>PART N. | COLORE<br>COLOUR | [gr] |
|-----------------|---|-------------------|------------------|------|
| 020SMLOG        | ■ | 4.230.335         | GIALLO / YELLOW  | 27   |
| 020SMLOV        | ■ | 4.230.344         | VERDE / GREEN    | 27   |
| 020SMLOR        | ■ | 4.230.341         | ROSSO / RED      | 27   |
| 020SMLOGC       |   | 4.230.336         | GIALLO / YELLOW  | 27   |
| 020SMLOVC       |   | 4.320.345         | VERDE / GREEN    | 27   |
| 020SMLORC       |   | 4.320.342         | ROSSO / RED      | 27   |
| 020SMLOBC       |   | 4.320.330         | BIANCO / WHITE   | 27   |

■ Confezioni da 2 pezzi / 2 pieces pack

**SELETTORE A CHIAVE 2 POSIZIONI**  
**2 POSITION KEY SELECTOR SWITCH**


| MODELLO<br>TYPE | CODICE<br>PART N. | ESTRAZIONE<br>CHIAVE<br>KEY EXTRACTION | [gr] |
|-----------------|-------------------|--|------|
| 020SCA          | 4.230.184         | I II                                   | 76   |
| 020SCB          | 4.230.187         | I -                                    | 76   |
| 020SCC          | 4.230.191         | - II                                   | 76   |
| 020SCA1         | 4.230.185         | I                                      | 76   |

**SELETTORE CHIAVE 3 POSIZIONI**  
**3 POSITION KEY SELECTOR SWITCH**


| MODELLO<br>TYPE | CODICE<br>PART N. | ESTRAZIONE<br>CHIAVE<br>KEY EXTRACTION | [gr] |
|-----------------|-------------------|--|------|
| 020SCO          | 4.230.195         | I 0 II                                 | 76   |
| 020SCOC         | 4.230.196         | I                                      | 76   |
| 020SCOD         | 4.230.197         | 0                                      | 76   |
| 020SCOS         | 4.230.200         | II                                     | 76   |

**LAMPADA SPIA MONOLITICA - ALIM. DIRETTA- IP67**  
**COMPLETE INDICATOR LIGHT - DIRECT SUPPLY - IP67**


| MODELLO<br>TYPE                           | CODICE<br>PART N. | COLORE<br>COLOUR        | [gr] |
|---|-------------------|-------------------------|------|
| LAMPADA SPIA MONOLITICA / INDICATOR LIGHT |                   |                         |      |
| 020LM                                     | 4.229.800         | MONOLITICA/<br>COMPLETE | 14   |
| GEMMA / LENS                              |                   |                         |      |
| 020GA                                     | 4.229.801         | ARANCIONE/ORANGE        | 3    |
| 020GB                                     | 4.229.802         | BIANCO / WHITE          | 3    |
| 020GBL                                    | 4.229.803         | BLU / BLUE              | 3    |
| 020GG                                     | 4.229.804         | GIALLO / YELLOW         | 3    |
| 020GI                                     | 4.229.805         | INCOLORE / CLEAR        | 3    |
| 020GR                                     | 4.229.806         | ROSSO / RED             | 3    |
| 020GV                                     | 4.229.807         | VERDE / GREEN           | 3    |

**LAMPADA SPIA MONOLITICA - ALIM. DIRETTA- IP67**  
**COMPLETE INDICATOR LIGHT - DIRECT SUPPLY - IP67**


| MODELLO<br>TYPE                           | CODICE<br>PART N. | COLORE<br>COLOUR        | [gr] |
|---|-------------------|-------------------------|------|
| LAMPADA SPIA MONOLITICA / INDICATOR LIGHT |                   |                         |      |
| 020LM                                     | 4.229.800         | MONOLITICA/<br>COMPLETE | 14   |
| GEMMA ALTA / EXTENDED LENS                |                   |                         |      |
| 020GAA                                    | 4.229.811         | ARANCIONE/ORAN-<br>GE   | 7    |
| 020GAB                                    | 4.229.812         | BIANCO / WHITE          | 7    |
| 020GABL                                   | 4.229.813         | BLU / BLUE              | 7    |
| 020GAG                                    | 4.229.814         | GIALLO / YELLOW         | 7    |
| 020GAI                                    | 4.229.815         | INCOLORE / CLEAR        | 7    |
| 020GAR                                    | 4.229.816         | ROSSO / RED             | 7    |
| 020GAV                                    | 4.229.817         | VERDE / GREEN           | 7    |

**UNITA' CON GEMMA LUMINOSA - IP67**  
**UNIT WITH ILLUMINATED LENS - IP67**


| MODELLO<br>TYPE | CODICE<br>PART N. | COLORE<br>COLOUR | [gr] |
|-----------------|-------------------|------------------|------|
| 020ULA          | 4.229.412         | ARANCIONE/ORANGE | 9    |
| 020ULB          | 4.229.420         | BIANCO / WHITE   | 9    |
| 020ULBL         | 4.229.421         | BLU / BLUE       | 9    |
| 020ULG          | 4.229.422         | GIALLO / YELLOW  | 9    |
| 020ULI          | 4.229.423         | INCOLORE / CLEAR | 9    |
| 020ULR          | 4.229.424         | ROSSO / RED      | 9    |
| 020ULV          | 4.229.425         | VERDE / GREEN    | 9    |

**UNITA' ALTA CON GEMMA LUMINOSA - IP67**  
**HIGH UNIT WITH ILLUMINATED LENS - IP67**


| MODELLO<br>TYPE | CODICE<br>PART N. | COLORE<br>COLOUR | [gr] |
|-----------------|-------------------|------------------|------|
| 020ULAA         |                   | ARANCIONE/ORANGE | 13   |
| 020ULAB         |                   | BIANCO / WHITE   | 13   |
| 020ULABL        |                   | BLU / BLUE       | 13   |
| 020ULAG         | 4.229.416         | GIALLO / YELLOW  | 13   |
| 020ULAI         |                   | INCOLORE / CLEAR | 13   |
| 020ULAR         | 4.229.418         | ROSSO / RED      | 13   |
| 020ULAV         | 4.229.419         | VERDE / GREEN    | 13   |

- Confezioni da 2 pezzi / 2 pieces pack
- Confezioni da 5 pezzi / 5 pieces pack

**SISTEMI DI PROTEZIONE**  
**PROTECTION SYSTEMS**


| MODELLO<br>TYPE | CODICE<br>PART N. |   | [gr] |
|-----------------|-------------------|---|------|
| 020CGP2         | 4.230.001         | SILICONE<br>TRASPARENTE<br>TRANSPARENT<br>SILICON | 5    |

**PULSANTE DI RIARMO**  
**RESET PUSH BUTTON**


| MODELLO<br>TYPE | CODICE<br>PART N. | COLORE<br>COLOUR | [gr] |
|-----------------|-------------------|------------------|------|
| 020RTAIBL       | 4.229.174         | BLU / BLUE       | 31   |
| 020RTAIR        | 4.229.175         | ROSSO / RED      | 31   |
| 020RTAIV        | 4.229.173         | VERDE / GREEN    | 31   |

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**MANIPOLATORI 4 POSIZIONI H45**  
**4 POSITION CONTROL LEVER H45**


| MODELLO<br>TYPE | CODICE<br>PART N. | POSIZIONE<br>POSITION |   | [gr] |
|-----------------|-------------------|-----------------------|---|------|
| 020MTR4P        | 4.230.047         | P                     | 1 | 40   |
|                 |                   | P                     | 2 |      |
|                 |                   | P                     | 3 |      |
|                 |                   | P                     | 4 |      |
| 020MTR4T        | 4.230.048         | T                     | 1 | 40   |
|                 |                   | T                     | 2 |      |
|                 |                   | T                     | 3 |      |
|                 |                   | T                     | 4 |      |

**MANIPOLATORI 4 POSIZIONI H55**  
**4 POSITION CONTROL LEVER H55**


| MODELLO<br>TYPE | CODICE<br>PART N. | POSIZIONE<br>POSITION |   | [gr] |
|-----------------|-------------------|-----------------------|---|------|
| 020MT4T         | 4.230.554         | T                     | 1 | 40   |
|                 |                   | T                     | 2 |      |
|                 |                   | T                     | 3 |      |
|                 |                   | T                     | 4 |      |
| 020MT4P         | 4.230.553         | P                     | 1 | 40   |
|                 |                   | P                     | 2 |      |
|                 |                   | P                     | 3 |      |
|                 |                   | P                     | 4 |      |

**MANIPOLATORI 2 POSIZIONI H45**  
**2 POSITION CONTROL LEVER H45**


| MODELLO<br>TYPE | CODICE<br>PART N. | POSIZIONE<br>POSITION |   | [gr] |
|-----------------|-------------------|-----------------------|---|------|
| 020MTR2P        |                   | P                     | 1 | 40   |
|                 |                   | P                     | 2 |      |
| 020MTR2T        | 4.230.046         | T                     | 1 | 40   |
|                 |                   | T                     | 2 |      |

**MANIPOLATORI 2 POSIZIONI H55**  
**2 POSITION CONTROL LEVER H55**


| MODELLO<br>TYPE | CODICE<br>PART N. | POSIZIONE<br>POSITION |   | [gr] |
|-----------------|-------------------|-----------------------|---|------|
| 020MT2P         | 4.230.551         | P                     | 1 | 40   |
|                 |                   | P                     | 2 |      |
| 020MT2T         | 4.230.552         | T                     | 1 | 40   |
|                 |                   | T                     | 2 |      |

**PULSANTI DOPPI NORMALI**  
**DOUBLE PUSHBUTTONS**








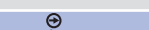


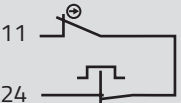

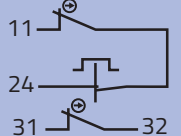

| MODELLO<br>TYPE | CODICE<br>PART N. | COLORE<br>COLOUR           |
|-----------------|-------------------|----------------------------|
| 020P2RV         | 4230071           | VERDE-RSSO<br>GREEN-RED    |
| 020P2RN         |                   | NERO-ROSSO<br>BLACK-RED    |
| 020P2RVS        | 4.230.070         | VERDE-ROSSO<br>GREEN-RED   |
| 020P2RNS        |                   | NERO-ROSSO<br>BLACK-RED    |
| 020P2NBS        |                   | BIANCO-NERO<br>WHITE-BLACK |
| 020P2NN         |                   | NERO/BLACK                 |
| 020P2NNS45      |                   | NERO/BLACK                 |
| 020P2NNS46      | 4.230.562         | NERO/BLACK                 |
| 020P2NNS47      |                   | NERO/BLACK                 |

**PULSANTI DOPPI LUMINOSI**  
**ILLUMINATED DOUBLE PUSHBUTTONS**


| MODELLO<br>TYPE | CODICE<br>PART N. | COLORE<br>COLOUR           |
|-----------------|-------------------|----------------------------|
| 020P2LRV        | 8401660           | VERDE-RSSO<br>GREEN-RED    |
| 020P2LRN        |                   | NERO-ROSSO<br>BLACK-RED    |
| 020P2LRVS       | 4.230.069         | VERDE-ROSSO<br>GREEN-RED   |
| 020P2LRNS       |                   | NERO-ROSSO<br>BLACK-RED    |
| 020P2LNBS       |                   | BIANCO-NERO<br>WHITE-BLACK |
| 020P2LNN        |                   | NERO/BLACK                 |
| 020P2LNNS45     |                   | NERO/BLACK                 |
| 020P2LNNS46     | 4.230.562         | NERO/BLACK                 |
| 020P2LNNS47     |                   | NERO/BLACK                 |


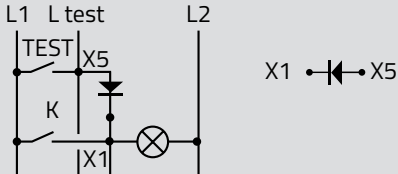


ELEMENTO DI CONTATTO / CONTACT ELEMENTS

| MODELLO TYPE  | CODICE PART N. |             |   | [gr]  |
|---|----------------|-------------|---|---|
|   | 020GD2         | ● 4.229.019 | FLANGIA DI CONNESSIONE / CONNECTION FLANGE          | 8   |
|   | 020E10         | ● 4.229.016 | 1 NO APERTO / OPEN                                  |  10  |
|   | 020E10A        | ● 4.229.017 | 1 NO CHIUSURA ANTICIPATA / ADVANCED CLOSING         |  10  |
|   | 020E10Au       | ● 4.229.018 | 1 NO APERTO / OPEN CONTATTO DORATO / GOLDEN CONTACT |  10  |
|   | 020E01         | ● 4.229.014 | 1NC CHIUSO / CLOSED                                 |  10  |
|   | 020E01R        | ● 4.229.015 | 1NC APERTURA RITARDATA / DELAYED OPENING            |  10  |
|   | 020E01Au       | ● 4.229.549 | 1NC CHIUSO / CLOSE CONTATTO DORATO / GOLDEN CONTACT |  10  |
|   | 020GE01S       | ● 4229550   | 1NC CHIUSO DI SICUREZZA / SAFETY CLOSE              |  19  |
|  | 020GE02S       | ●           | 2NC CHIUSO DI SICUREZZA / SAFETY CLOSE              |  19 |

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BLOCCHETTI PORTALAMPADA LAMP HOLDERS

| MODELLO TYPE  | CODICE PART N. |             |  | [gr]   |
|---|----------------|-------------|--|--|
|  | 020PD9         | ● 4.229.081 | ALIMENTAZIONE DIRETTA / DIRECT SUPPLY IEC : BA9s 380V - MAX 2W ESCLUSA / EXCLUDED UL/CSA : BA9s 250V MAX 2W ESCLUSA / EXCLUDED |  16 |
|  | 020ET          | ■ 4229013   | ELEMENTO TEST PROVALAMPDA (2) BULB TEST ELEMENT  |  32  |

- Confezioni da 2 pezzi / 2 pieces pack
- Confezioni da 10 pezzi / 10 pieces pack

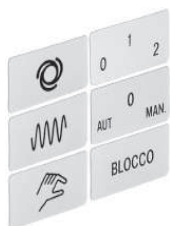
**TARGHETTE EMERGENZA / LABEL SUPPORT**


| MODELLO<br>TYPE | CODICE<br>PART N. | Ø  |                                       | COLORE<br>COLOUR | DICITURA<br>MESSAGE   | [gr] |
|-----------------|-------------------|----|---------------------------------------|------------------|-----------------------|------|
| 020D            | 4.229.003         | 45 | TARGHETTA EMERGENZA / EMERGENCY LABEL | GIALLO / YELLOW  | SENZA TESTO / NEUTRAL | 2    |
| 020D0           | 4.229.007         | 60 | TARGHETTA EMERGENZA / EMERGENCY LABEL | GIALLO / YELLOW  | SENZA TESTO / NEUTRAL | 2    |
| 020DD0          | 4.229.004         | 90 | TARGHETTA EMERGENZA / EMERGENCY LABEL | GIALLO / YELLOW  | SENZA TESTO / NEUTRAL | 5,3  |
| 020D21          | 4.229.008         | 60 | TARGHETTA EMERGENZA / EMERGENCY LABEL | GIALLO / YELLOW  | ARRESTO EMERGENZA     | 2    |
| 020DD21         | 4.229.005         | 90 | TARGHETTA EMERGENZA / EMERGENCY LABEL | GIALLO / YELLOW  | ARRESTO EMERGENZA     | 5,3  |
| 020D23          | 4.229.009         | 60 | TARGHETTA EMERGENZA / EMERGENCY LABEL | GIALLO / YELLOW  | EMERGENCY STOP        | 2    |
| 020DD23         | 4.229.006         | 90 | TARGHETTA EMERGENZA / EMERGENCY LABEL | GIALLO / YELLOW  | EMERGENCY STOP        | 5    |

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**SUPPORTO TARGHETTA / LABEL SUPPORT**


| MODELLO<br>TYPE |   | CODICE<br>PART N. | DIMENSIONI TARGHETTA<br>LABEL DIMENSIONS | COLORE<br>COLOUR | [gr] |
|-----------------|---|-------------------|--|------------------|------|
| 020STGR         | ● | 4.229.818         | 13 x 27 TONDA                            | NERO / BLACK     | 2    |
| 020ST18GR       | ● | 4.229.819         | 18 x 27 TONDA                            | NERO / BLACK     | 2,5  |
| 020STG          | ● | 4.229.403         | 13 x 27                                  | GIALLO / YELLOW  | 2    |
| 020ST18G        | ● | 4.229.405         | 18 x 27                                  | GIALLO / YELLOW  | 2,5  |
| 020ST27G        | ● | 4.229.406         | 27 x 27                                  | GIALLO / YELLOW  | 3    |

**TARGHETTA ADESIVE COLORE ALLUMINIO / INDICATION LABEL ALUMINIUM COLOUR**


| MODELLO<br>TYPE |   | CODICE<br>PART N. | DIMENSIONI TARGHETTA<br>LABEL DIMENSIONS | COLORE<br>COLOUR       | DICITURA<br>MESSAGE         | [gr] |
|-----------------|---|-------------------|--|------------------------|-----------------------------|------|
| 02000T          | ● | 4.229.521         | 13x27                                    | ALLUMINIO / ALLUMINIUM | NEUTRA                      | 0,2  |
| 02001T          | ● | 4.229.514         | 13 x 27                                  | ALLUMINIO / ALLUMINIUM | MARCIA                      | 0,2  |
| 02002T          | ● | 4.229.515         | 13 x 27                                  | ALLUMINIO / ALLUMINIUM | ARRESTO                     | 0,2  |
| 02003T          | ● | 4.229.540         | 13 x 27                                  | ALLUMINIO / ALLUMINIUM | AVANTI                      | 0,2  |
| 02004T          | ● | 4.229.534         | 13 x 27                                  | ALLUMINIO / ALLUMINIUM | INDIETRO                    | 0,2  |
| 02005T          | ● | 4.229.535         | 13 x 27                                  | ALLUMINIO / ALLUMINIUM | SALITA                      | 0,2  |
| 02006T          | ● | 4.229.536         | 13 x 27                                  | ALLUMINIO / ALLUMINIUM | DISCESA                     | 0,2  |
| 02007T          | ● | 4.229.537         | 13 x 27                                  | ALLUMINIO / ALLUMINIUM | DESTRA                      | 0,2  |
| 02008T          | ● | 4.229.538         | 13 x 27                                  | ALLUMINIO / ALLUMINIUM | SINISTRA                    | 0,2  |
| 02009T          | ● |                   | 13 x 27                                  | ALLUMINIO / ALLUMINIUM | APRE                        | 0,2  |
| 02010T          | ● |                   | 13 x 27                                  | ALLUMINIO / ALLUMINIUM | CHIUDE                      | 0,2  |
| 02011T          | ● |                   | 13 x 27                                  | ALLUMINIO / ALLUMINIUM | LENTO                       | 0,2  |
| 02012T          | ● |                   | 13 x 27                                  | ALLUMINIO / ALLUMINIUM | VELOCE                      | 0,2  |
| 02015T          | ● | 4.229.523         | 13x27                                    | ALLUMINIO / ALLUMINIUM | INIZIO CICLO                | 0,2  |
| 02021T          | ● | 4.229.516         | 13x27                                    | ALLUMINIO / ALLUMINIUM | EMERGENZA                   | 0,2  |
| 02023T          | ● | 4.229.530         | 13 x 27                                  | ALLUMINIO / ALLUMINIUM | STOP                        | 0,2  |
| 02026T          | ● |                   | 13 x 27                                  | ALLUMINIO / ALLUMINIUM | START                       | 0,2  |
| 02032T          | ● | 4.229.517         | 13 x 27                                  | ALLUMINIO / ALLUMINIUM | AUT 0 MAN                   | 0,2  |
| 02033T          | ● | 4.229.518         | 13 x 27                                  | ALLUMINIO / ALLUMINIUM | 0 1                         | 0,2  |
| 02040T          | ● | 4.229.533         | 13 x 27                                  | ALLUMINIO / ALLUMINIUM | 0 1 2                       | 0,2  |
| 02041T          | ● | 4.229.519         | 13 x 27                                  | ALLUMINIO / ALLUMINIUM | 1 0 2                       | 0,2  |
| 02055T          | ● |                   | 13 x 27                                  | ALLUMINIO / ALLUMINIUM | RESET                       | 0,2  |
| 02056T          | ● |                   | 13 x 27                                  | ALLUMINIO / ALLUMINIUM | TEST                        | 0,2  |
| 02092T          | ● | 4.229.539         | 13 x 27                                  | ALLUMINIO / ALLUMINIUM | ON 0 OFF                    | 0,2  |
| 02093T          | ● | 4.229.531         | 13 x 27                                  | ALLUMINIO / ALLUMINIUM | MAN 0 AUTO                  | 0,2  |
| 020PE           | ● | 8.401.416         | 13x27                                    | ALLUMINIO / ALLUMINIUM | PERSONALIZZATA / CUSTOMIZED | 0,2  |
| 020PE18         | ● | 8.401.417         | 18 x 27                                  | ALLUMINIO / ALLUMINIUM | PERSONALIZZATA / CUSTOMIZED | 0,2  |
| 020PE27         | ● | 4.229.012         | 27 x 27                                  | ALLUMINIO / ALLUMINIUM | PERSONALIZZATA / CUSTOMIZED | 0,2  |

**CHIAVE SERRAGGIO OPERATORI  
OPERATOR LOCKING RING**


| MODELLO<br>TYPE |   | CODICE<br>PART NUMBER | [gr] |
|-----------------|---|-----------------------|------|
| 020CGN          | ● | 4.229.000             | 32   |

● Confezioni da 10 pezzi / 10 pieces pack

TAPPI DI CHISURA - PLUGS



| MODELLO TYPE |   | CODICE PART N. | COLORE COLOUR       | [gr] |
|--------------|---|----------------|---------------------|------|
| 020TTP       | ● | 4.229.408      | GRIGIO / GREY       | 5    |
| 020TPN       | ● | 4.228.409      | NERO / BLACK        | 5    |
| 020TTPT      | ● | 4.229.410      | TRASPARENTE / CLEAR | 5    |

SISTEMI DI PROTEZIONE - PROTECTION SYSTEMS



| MODELLO TYPE |   | CODICE PART N. | COLORE COLOUR   | [gr] |
|--------------|---|----------------|---|------|
| 020GP22      |   |                | NERO / BLACK  | 35   |
| 020GPG22     |   |                | GIALLO / YELLOW   | 35   |
| 020CGS       | & | 4.229.002      | protezione in gomma / rubber cup  | 3,5  |
| 020CGP2      |   | 4.230.001      | protezione in gomma per puls.doppio serie nuova / rubber cup for double push-button | 3,5  |

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CHIAVI PER SELETTORI - SELECTOR SWITCH KEYS



| MODELLO TYPE |   | CODICE PART NUMBER | CIFRATURA CODING | COLORE COLOUR    | SUFFISSO SUFFIX | [gr] |
|--------------|---|--------------------|------------------|------------------|-----------------|------|
| 010K95       | ■ |                    | 3095             | RAL 7001         | 95              | 11   |
| 010K53       | ■ |                    | 3353             | RAL 7001         | 53              | 11   |
| 010K01       | ■ |                    | 9901             | RAL 7001         | 01              | 11   |
| 010K02       | ■ |                    | 9902             | RAL 7001         | 02              | 11   |
| 010K03       | ■ |                    | 9903             | RAL 7001         | 03              | 11   |
| 010K04       | ■ |                    | 9904             | RAL 7001         | 04              | 11   |
| 010K05       | ■ |                    | 9905             | RAL 7001         | 05              | 11   |
| 010K10       | ■ |                    | 9910             | RAL 7001         | 10              | 11   |
| 010K16       | ■ |                    | 9916             | RAL 7001         | 16              | 11   |
| 010K19       | ■ |                    | 9919             | RAL 7001         | 19              | 11   |
| 010K33       | ■ |                    | 73033            | GIALLO / YELLOW  | 33              | 11   |
| 010K34       | ■ |                    | 73034            | NERO / BLACK     | 34              | 11   |
| 010K37       | ■ |                    | 73037            | ROSSO / RED      | 37              | 11   |
| 010K38       | ■ |                    | 73038            | BLU / BLUE       | 38              | 11   |
| 010K40       | ■ |                    | 73040            | ARANCIO / ORANGE | 40              | 11   |

LAMPADINE BA9S - filamento - BA9S BULBS - filament



| MODELLO TYPE |   | CODICE PART N. |            | [gr] | MODELLO TYPE |   | CODICE PART NUMBER |             | [gr] |
|--------------|---|----------------|------------|------|--------------|---|--------------------|-------------|------|
| BA9S6        | ● | 4.214.710      | 6V - 0,6W  | 1,3  | BA9S60       | ● | 4.214.714          | 60V - 1,2W  | 1,3  |
| BA9S24       | ● | 4.214.712      | 24V - 1,2W | 1,3  | BA9S130      | ● | 4.214.704          | 130V - 1,9W | 1,3  |
| BA9S48       | ● | 4.214.713      | 48V - 1,2W | 1,3  | BA9S-240     | ● | 4.214.705          | 220-2W      | 1,3  |

LAMPADINE BA9S - led luce fissa c.a./c.c. - BA9S BULBS - led fixed light a.c./d.c.



| MODELLO TYPE |  | CODICE PART NUMBER |                        | [gr] | MODELLO TYPE |  | CODICE PART N. |                       | [gr] |
|--------------|--|--------------------|------------------------|------|--------------|--|----------------|-----------------------|------|
| LED6R        |  | 4.228.910          | 6V - ROSSO / RED       | 2    | LED6V        |  | 4.228.916      | 6V - VERDE / GREEN    | 2    |
| LED12R       |  | 4.228.911          | 12V - ROSSO / RED      | 2    | LED12V       |  | 4.228.917      | 12V - VERDE / GREEN   | 2    |
| LED24R       |  | 4.228.912          | 24V - ROSSO / RED      | 2    | LED24V       |  | 4.228.918      | 24V - VERDE / GREEN   | 2    |
| LED48R       |  | 4.228.913          | 48V - ROSSO / RED      | 2    | LED48V       |  | 4.228.919      | 48V - VERDE / GREEN   | 2    |
| LED110R      |  | 4.228.914          | 110V - ROSSO / RED     | 2    | LED110V      |  | 4.228.920      | 110V - VERDE / GREEN  | 2    |
| LED240R      |  | 8.532.926          | 240V - ROSSO / RED     | 2    | LED240V      |  | 8.532.924      | 240V - VERDE / GREEN  | 2    |
| LED400R      |  | 8.401.343          | 400V - ROSSO/RED       | 2    | LED400V      |  | 8.401.345      | 400V - VERDE / GREEN  | 2    |
| LED6G        |  | 4.228.922          | 6V - GIALLO / YELLOW   | 2    | LED6BL       |  | 4.228.928      | 6V - BLU / BLUE       | 2    |
| LED12G       |  | 4.228.923          | 12V - GIALLO / YELLOW  | 2    | LED12BL      |  | 4.228.929      | 12V - BLU / BLUE      | 2    |
| LED24G       |  | 4.228.924          | 24V - GIALLO / YELLOW  | 2    | LED24BL      |  | 4.228.930      | 24V - BLU / BLUE      | 2    |
| LED48G       |  | 4.228.925          | 48V - GIALLO / YELLOW  | 2    | LED48BL      |  | 4.228.931      | 48V - BLU / BLUE      | 2    |
| LED110G      |  | 4.228.926          | 110V - GIALLO / YELLOW | 2    | LED110BL     |  | 4.228.932      | 110V - BLU / BLUE     | 2    |
| LED240G      |  | 8.532.925          | 240V - GIALLO / YELLOW | 2    | LED240BL     |  | 8.532.927      | 240V - BLU / BLUE     | 2    |
| LED400G      |  | 8.401.344          | 400V - GIALLO / YELLOW | 2    | LED400BL     |  | 8.401.346      | 400V - BLU / BLUE     | 2    |
| LED6B        |  | 8.535.149          | 6V - BIANCO / WHITE    | 2    | LED48B       |  | 8.535.163      | 48V - BIANCO / WHITE  | 2    |
| LED12B       |  |                    | 12V - BIANCO / WHITE   | 2    | LED110B      |  | 4.228.941      | 110V - BIANCO / WHITE | 2    |
| LED24B       |  | 4.228.940          | 24V - BIANCO / WHITE   | 2    | LED240B      |  | 8.400.432      | 240V - BIANCO / WHITE | 2    |

- Confezioni da 2 pezzi / 2 pieces pack
- Confezioni da 10 pezzi / 10 pieces pack
- & Confezioni da 5 pezzi / 5 pieces pack

SELETTORICAMMA  
SELECTOR CAM

SCHEMA  
DIAGRAM

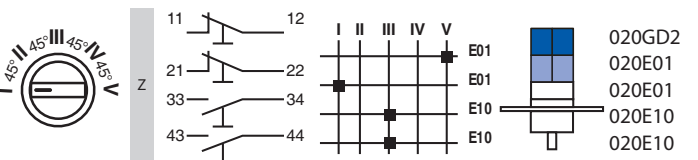
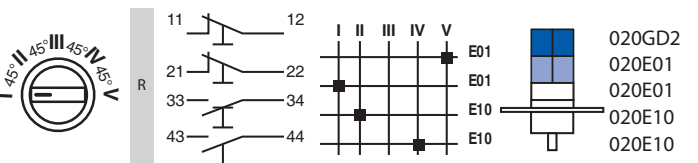
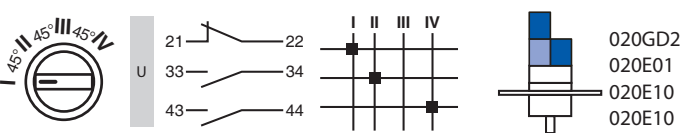
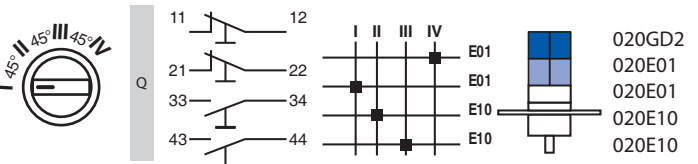
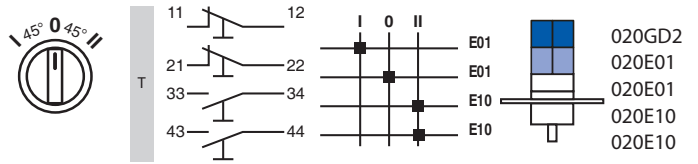
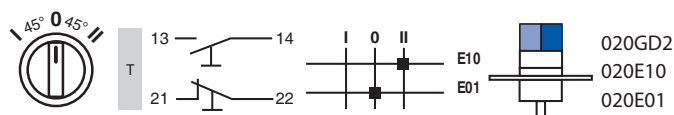
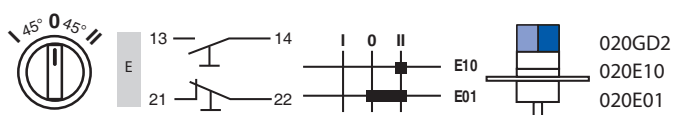
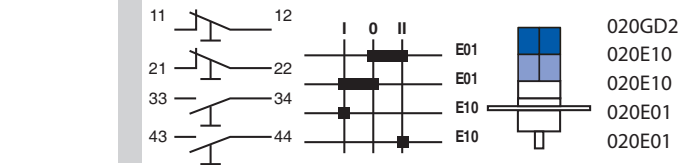
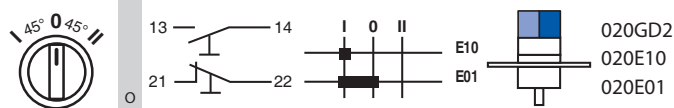
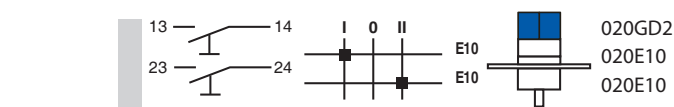
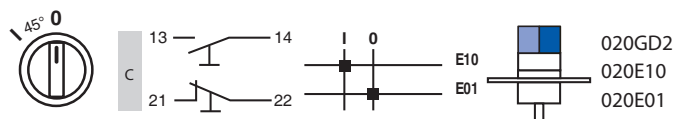
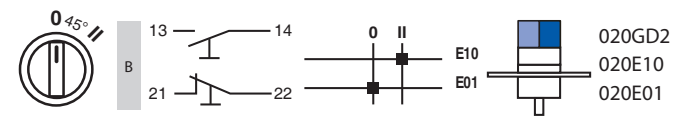
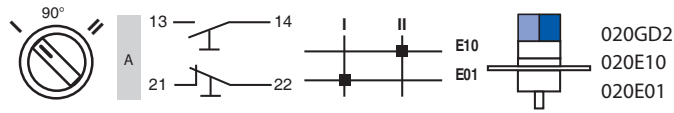
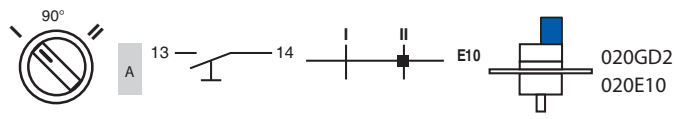
CONTATTI FLANGIATI  
FLANGED CONTACTS

SELETTORICAMMA  
SELECTOR CAM

SCHEMA  
DIAGRAM

CONTATTI FLANGIATI  
FLANGED CONTACTS

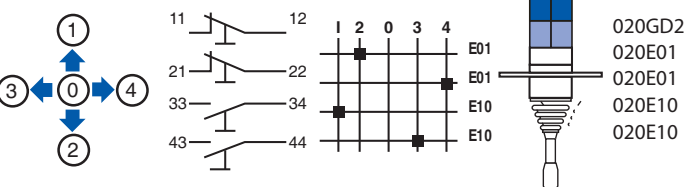
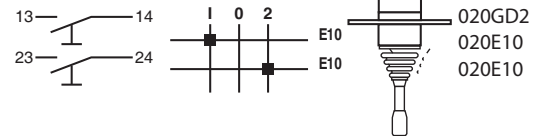
B



MANIPOLATORI  
CONTROL LEVER

SCHEMA  
DIAGRAM

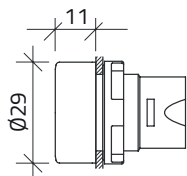
CONTATTI FLANGIATI  
FLANGED CONTACTS



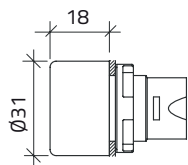
DIMENSIONI / DIMENSIONS

B1.  
DIM

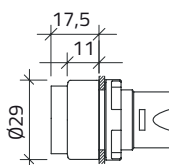
PULSANTE FILO GHIERA



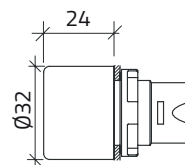
PULSANTE FILO GHIERA IP 66



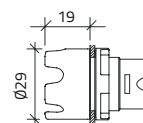
PULSANTI SPORGENTI



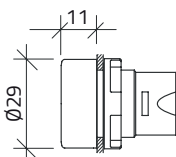
PULSANTI SPORGENTI IP 66



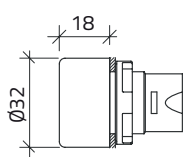
PULSANTI PROTETTI



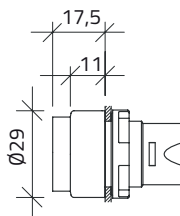
PULSANTI LUMINOSI FILO GHIERA



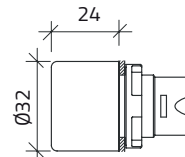
PULSANTI LUMINOSI FILO GHIERA IP 66



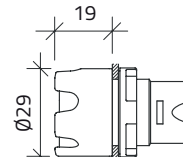
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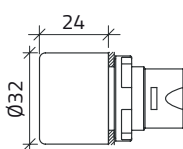
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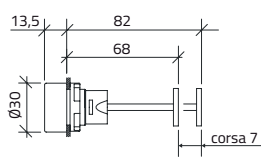
PULSANTI SCHERMATI



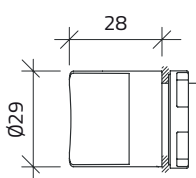
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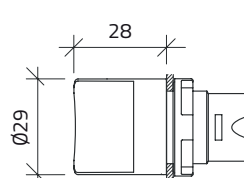
PULSANTE DI RIARMO



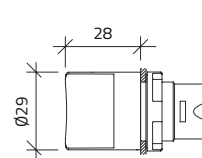
SELETTORE 2 POSIZIONI INSERTO BIANCO



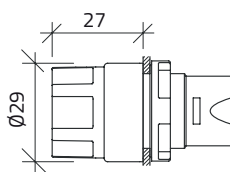
SELETTORE 3 POSIZIONI INSERTO BIANCO



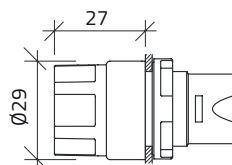
SELETTORE 4 POSIZIONI INSERTO BIANCO



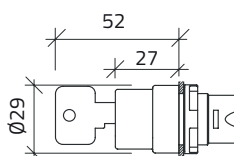
SELETTORI 2 POSIZIONI CON INSERTO ILLUMINATO



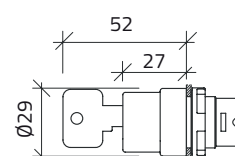
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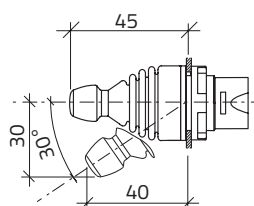
SELETTORI A CHIAVE 2 POSIZIONI



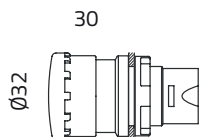
SELETTORI A CHIAVE 3 POSIZIONI



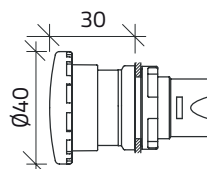
MANIPOLATORI NERI RAL7016



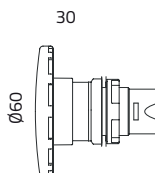
PULSANTE A FUNGO AD AGGANCIAMENTO A ROTAZIONE Ø 33



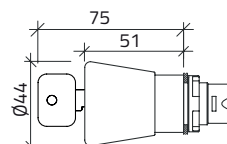
PULSANTE A FUNGO AD AGGANCIAMENTO A ROTAZIONE Ø 40



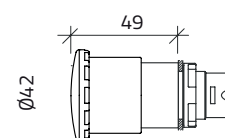
PULSANTE A FUNGO AD AGGANCIAMENTO/SGANCIAMENTO A ROTAZIONE Ø 60



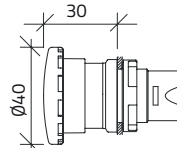
PULSANTE A FUNGO AD AGGANCIAMENTO/SGANCIAMENTO A SCATTO Ø 44



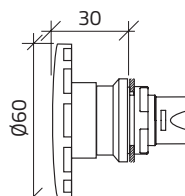
PULSANTE A FUNGO AD AGGANCIAMENTO/SGANCIAMENTO A SCATTO Ø 42



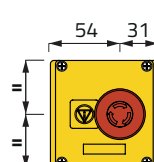
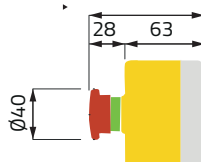
PULSANTE A FUNGO MOMENTANEO Ø 40



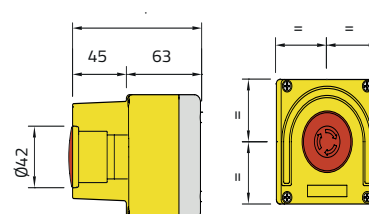
PULSANTE A FUNGO MOMENTANEO Ø 60



PULSANTIERE DI EMERGENZA 080CA0808-6GA



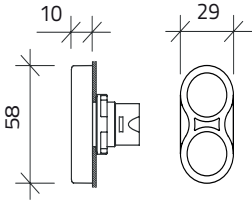
PULSANTIERE DI EMERGENZA 080CA0808-6GEAS



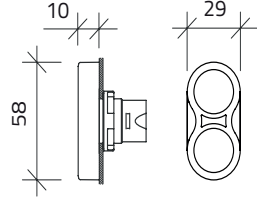
**DIMENSIONI / DIMENSIONS**

**B1.  
DIM**

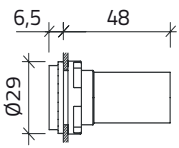
**PULSANTI DOPPI NORMALI**



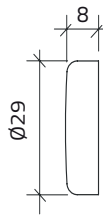
**PULSANTI DOPPI LUMINOSI**



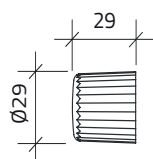
**LAMPADA MONOLITICA NEUTRA**



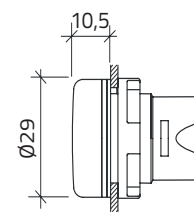
**GEMME**



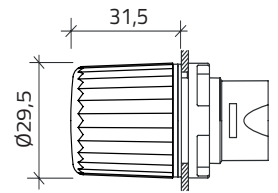
**GEMMA ALTA**



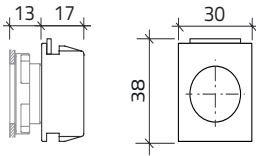
**UNITA' CON GEMMA LUMINOSA**



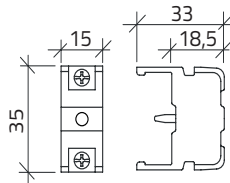
**UNITA' ALTA CON GEMMA LUMINOSA**



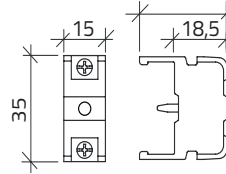
**ELEMENTI DI CONTATTO  
FLANGIA DI CONNESSIONE**



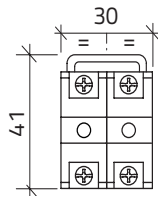
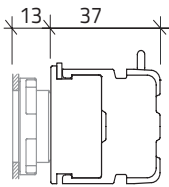
**ELEMENTI DI CONTATTO  
(NO)**



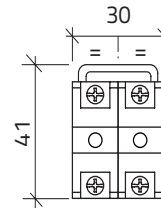
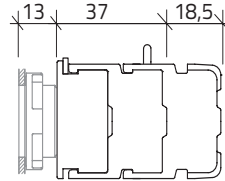
**ELEMENTI DI CONTATTO  
(NC)**



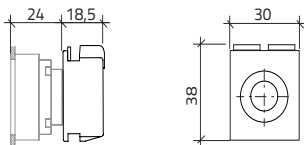
**ELEMENTI DI CONTATTO (NC) 020GE01S**



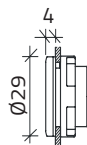
**ELEMENTI DI CONTATTO  
(2NC)**



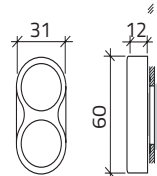
**BLOCCHETTI PORTA LAMPADA**



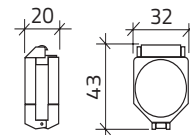
**TAPPI CHIUSURA**



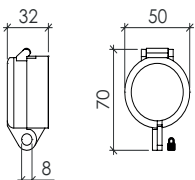
**SISTEMI DI PROTEZIONE  
(CAPPUCCIO IN GOMMA  
PULSANTI DOPPI)**



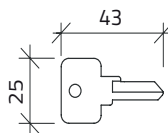
**SISTEMI DI PROTEZIONE  
(PROTEZIONE LUCCHETTABILE)**



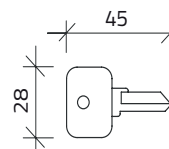
**SISTEMI DI PROTEZIONE  
(PROTEZIONE LUCCHETTABILE PER  
PULSANTE A FUNGO)**



**CHIAVI PER SELETTORI  
(FINO 010K19)**

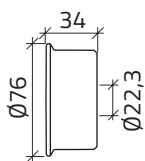


**CHIAVI PER SELETTORI  
(DA 010K33 IN POI)**

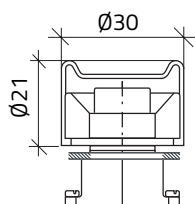


**DIMENSIONI / DIMENSIONS**

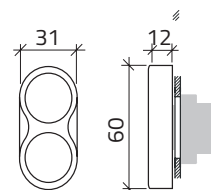
SISTEMI DI PROTEZIONE



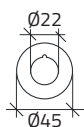
SISTEMI DI PROTEZIONE  
(PROTEZIONE IN GOMMA)



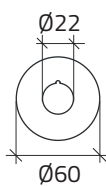
SISTEMI DI PROTEZIONE  
(PROTEZIONE IN GOMMA PULSANTI  
DOPPI)



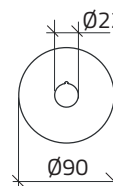
TARGHETTE DI EMERGENZA Ø 45



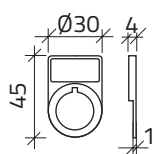
TARGHETTE DI EMERGENZA Ø 60



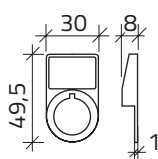
TARGHETTE DI EMERGENZA Ø 90



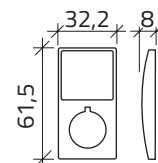
SUPPORTO TARGHETTE 13X27



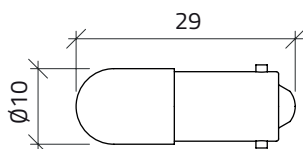
SUPPORTO TARGHETTE 18X27



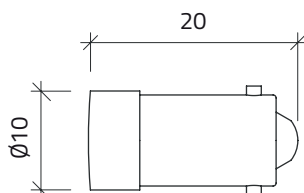
SUPPORTO TARGHETTE 27X27



LAMPADINE BA9S



LAMPADINE BA9S LED AC/DC









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*Contatti / Contacts*

UFFICIO VENDITE ITALIA / DOMESTICS SALES DPT

Tel. +39 011 9599909 - Fax +39 011 9597064

e-mail: [info@ghisalba.com](mailto:info@ghisalba.com)

UFFICIO VENDITE EXPORT / INTERNATIONAL SALED DPT

Tel.39 011 9599232 - Fax +39 011 9597064

e-mail: [export@ghisalba.com](mailto:export@ghisalba.com)