



032

# 032

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**COMANDO  
& SEGNALAZIONE Ø 30  
FILOPANNELLO**

**CONTROL  
& SIGNALLING Ø 30  
FLUSH-MOUNT**

030

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# SISTEMA MODULARE Ø 30

## MODULAR SYSTEM Ø 30

### LA SERIE SM3

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La serie SM3 "SISTEMA MODULARE Ø 30" è progettata per un utilizzo sicuro, facile e intuitivo; le soluzioni adottate facilitano la realizzazione di diverse combinazioni, garantendo risparmio di tempo e risorse. Il corpo in alluminio anodizzato consente il montaggio a filo pannello, donando eleganza e funzionalità al quadro di comando. Le operazioni di montaggio e manutenzione possono essere svolte con normali utensili, con estrema accessibilità per gli operatori.

### LA STRUTTURA

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Tutti gli operatori possono essere fissati con ghiera metalliche. L'accoppiamento plastica/metallo garantisce serraggi sicuri e permanenti. L'ancoraggio tra operatori ed elementi di contatto o portalampada è realizzato con un profondo incasso, poi trattenuto da una molla in acciaio inox. La struttura degli elementi di contatto è progettata per offrire estrema robustezza e flessibilità. La componibilità del sistema permette di configurare gli elementi retro pannello in molteplici soluzioni. La dimensionatura dei blocchi e le sezioni dei sistemi di serraggio garantiscono un'elevata resistenza alle tensioni da strappo. I contatti degli operatori New Elfin sono caratterizzati da ampie superfici di contatto e da una particolare conformazione che assicura prestazioni operative e durata superiori alla media. I prodotti sono progettati e realizzati con tecnopolimeri hi-tech; gli spessori applicati e l'aggiunta di materiali di rinforzo conferiscono a tutte le parti grande robustezza e resistenza. Le parti metalliche interne sono in acciaio inox o acciaio trattato, mentre le guarnizioni in gomma resistono a tutte le condizioni climatiche.

### DISPOSITIVI D'EMERGENZA

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Tutti i sistemi di comando possono essere dotati di un esclusivo dispositivo di arresto d'emergenza, che protegge l'integrità del segnale di arresto mantenendolo conforme ai requisiti per i quali è stato progettato. Il dispositivo neutralizza fattori esterni non controllabili, quali forti shock, corrosione, errori di utilizzo, manutenzione inadeguata, ecc.

### THE 032 SERIES

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The SM3 "MODULAR SYSTEM Ø 30" series is designed for safe, easy and intuitive use; the solutions adopted facilitate the creation of multiple configurations, ensuring time and cost savings. The anodized aluminum body allows flush mounting, providing elegance and functionality to the control panel. Assembly and maintenance can be carried out using standard tools, with easy access for operators.

### THE STRUCTURE

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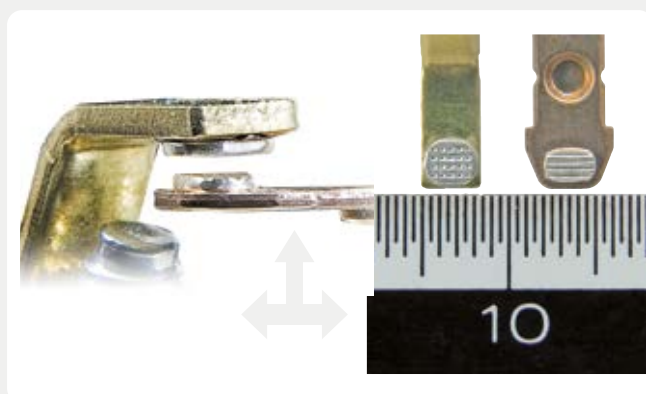
All operators can be secured with metal locking rings. The plastic/metal combination guarantees secure and permanent tightening. The anchoring mechanism between operators and contact blocks or lampholders consists of a deep recess retained by a stainless steel spring. The structure of the contact blocks is designed to provide outstanding robustness and flexibility. The modular system allows rear panel elements to be assembled in multiple configurations. The block dimensions and the cross-sections of the fastening systems ensure high resistance to pull-out forces. New Elfin operator contacts feature large contact surfaces and a specially designed shape that ensures above-average operational performance and long service life. Our products are designed and manufactured using hi-tech technopolymers; the selected thicknesses and the addition of reinforcing materials provide all components with excellent strength and durability. The internal metal parts are made of stainless steel or treated steel, while the rubber gaskets are resistant to all weather conditions.

### EMERGENCY DEVICES

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All control systems can be equipped with an exclusive emergency stop device designed to protect the integrity of the emergency stop signal, ensuring compliance with the intended design requirements. The device neutralizes external, uncontrollable factors such as strong shocks, corrosion, misuse, inadequate maintenance, etc.

# SISTEMA MODULARE Ø 30 MODULAR SYSTEM Ø 30



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# CARATTERISTICHE TECNICHE

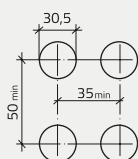
## TECHNICAL DATA

### CARATTERISTICHE GENERALI

Rispondenza alle norme	UNI EN 45545-2, EN IEC 63000, EN IEC 60947-1, EN IEC 60947-5-1, EN IEC 60947-5-5, EN ISO 13850, EN IEC 60204-1, UL 508, CSA C22.2 N° 14
Omologazioni	CE, UL-CSA
Protezioni climatiche	In esecuzione normale: tropicalizzazione completa, adatta a tutti i climi (40°C – UR 35%).
Limiti di temperatura	Funzionamento: da -25°C a +65°C Stoccaggio: da -35°C a +70°C
Posizione di funzionamento	←→↕↓
Protezione contro scossa elettrica	Classe II secondo EN IEC 61140
Altitudine d'impiego	≤ 3.000 m
Grado di protezione	<b>IP65</b> per pulsanti normali e luminosi, lampade, selettori e manipolatori

#### Dimensioni di montaggio

Pannelli con spessore 1 + 6 mm  
Foratura secondo  
EN IEC 60947-5-1

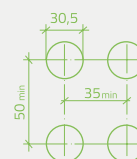


### CARATTERISTICHE GENERALI

Standards compliance	UNI EN 45545-2, EN IEC 63000, EN IEC 60947-1, EN IEC 60947-5-1, EN IEC 60947-5-5, EN ISO 13850, EN IEC 60204-1, UL 508, CSA C22.2 N° 14
Approvals	CE, UL-CSA
Climatic protection	Standard version: fully tropicalized, suitable for all climates (40°C – RH 35%).
Temperature ranges	Operating: -25°C to +65°C Storage: -35°C to +70°C
Operating positions	←→↕↓
Electrical shock protection	Class II according to EN IEC 61140
Operating altitude	≤ 3.000 m
Protection degree	<b>IP65</b> for standard and illuminated pushbuttons, pilot lights, selector switches and joysticks

#### Mounting dimensions

1 + 6 mm panels  
Drilling according to  
EN IEC 60947-5-1



### CARATTERISTICHE MECCANICHE

Resistenza agli urti	EN CEI 61373 Cat. 1 cl. B																
Resistenza alle vibrazioni	EN CEI 61373 Cat. 1 cl. B																
Coppia di serraggio	Ghiera di fissaggio operatori: 2 ± 3 Nm Viti terminali: 0,8 ± 1,0 Nm																
Viti terminali	Testa combinata taglio + Phillips PH2 in acciaio zincato o acciaio inox (versioni E10AU / E01AU) Capacità di serraggio: da 1 × 0,5 mm <sup>2</sup> a 2 × 2,5 mm <sup>2</sup> Compatibili con capicorda a forcella tipo "spring spade"																
Forze di azionamento	Pulsante con contatto NO: 5 N Selettore: 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 IEC 60947-5-1, Allegato K																
Corsa e commutazioni contatti	<table border="0"> <tr> <td>1mm</td> <td>NC</td> <td>☐</td> <td>Normalmente Chiuso</td> </tr> <tr> <td>3,6mm</td> <td>NO</td> <td>☐</td> <td>Normalmente Aperto</td> </tr> <tr> <td>2,5mm</td> <td>NCR</td> <td>☐</td> <td></td> </tr> <tr> <td>1,9mm</td> <td>NOA</td> <td>☐</td> <td></td> </tr> </table>	1mm	NC	☐	Normalmente Chiuso	3,6mm	NO	☐	Normalmente Aperto	2,5mm	NCR	☐		1,9mm	NOA	☐	
1mm	NC	☐	Normalmente Chiuso														
3,6mm	NO	☐	Normalmente Aperto														
2,5mm	NCR	☐															
1,9mm	NOA	☐															
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 e luminosi: 3.000.000 manovre Selettori e manipolatori: 1.000.000 manovre Pulsanti di emergenza a fungo (a ritenuta e stabili): 500.000 manovre																
Grado di protezione	IP20 secondo EN IEC 60529																
Identificazione morsetti	1°cifra: ordine di montaggio su flangia di connessione - 2°cifra: funzione contatto su elemento 1-2 NC / 3-4 NO																

### MECHANICAL FEATURES

Shock resistance	EN CEI 61373 Cat. 1 cl. B																
Vibration resistance	EN CEI 61373 Cat. 1 cl. B																
Tightening torque	Operator locking ring: 2 ± 3 Nm Terminal screws: 0,8±1,0 Nm																
Terminal screws	Combined slotted and Phillips PH2 head, zinc-plated steel or stainless steel (versions E10AU / E01AU) Connection capacity: from 1 × 0.5 mm <sup>2</sup> to 2 × 2.5 mm <sup>2</sup> Suitable for fork-type spring spade terminals																
Operating forces	Pushbutton with NO contact: 5 N Selector switch: 0,15 Nm Additional NO/NC contacts: 1,5 N																
Contact operation	NO/NC slow-action contacts with wiping self-cleaning NC contacts with positive opening ☉ according to EN IEC 60947-5-1, Annex K																
Contact travel and switching points	<table border="0"> <tr> <td>1mm</td> <td>NC</td> <td>☐</td> <td>Normally Closed</td> </tr> <tr> <td>3,6mm</td> <td>NO</td> <td>☐</td> <td>Normally Open</td> </tr> <tr> <td>2,5mm</td> <td>NCR</td> <td>☐</td> <td></td> </tr> <tr> <td>1,9mm</td> <td>NOA</td> <td>☐</td> <td></td> </tr> </table>	1mm	NC	☐	Normally Closed	3,6mm	NO	☐	Normally Open	2,5mm	NCR	☐		1,9mm	NOA	☐	
1mm	NC	☐	Normally Closed														
3,6mm	NO	☐	Normally Open														
2,5mm	NCR	☐															
1,9mm	NOA	☐															
Positive opening force	Normal push-button: 5 N Mushroom push-button: 40 N																
Operating speed	Min. 10 mm / sec Max. 20mm / sec																
Mechanical life	Standard and illuminated pushbuttons: 3,000,000 cycles Selector switches and joysticks: 1,000,000 cycles Emergency stop mushroom pushbuttons (latching or maintained): 500,000 cycles																
Degree of protection	IP20 according to EN IEC 60529																
Identification of terminals	1st digit: assembling order on connection flange 2nd digit: element contact function of the element 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 4 KV secondo EN IEC 60947-1
Corrente nominale termica	Ith 10 A secondo EN IEC 60947-5-1
Protezione corto circuito	Fusibili DIAZED 10 A, classe d'intervento gL/gG, forma D II secondo EN IEC 60269-1
Materiale contatti	Pastiglie di contatto in Ag 1000/1000 Per versioni AU: Ag 1000/1000, dorato Secondo EN IEC 60947-5-1 / UL 508

Categorie nominali d'impiego	Cat. AC15 / A600		Cat. DC13 / P300	
	Ue V	Ie A	Ue V	Ie 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		

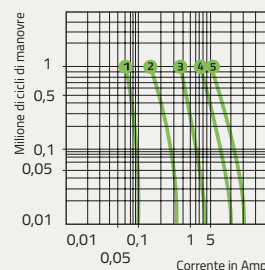
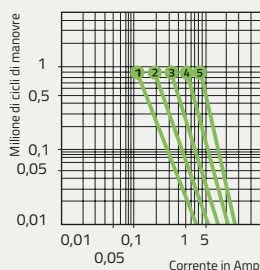
### Durata elettrica

#### Corrente alternata 50+60 Hz cat AC15

- 500 V ● 380 V ● 220 V
- 127 V ● 12/48 V

#### Corrente continua cat DC 13

- 400 V ● 220 V ● 110 V
- 48 V ● 24/12 V



Affidabilità elettrica (percentuale di guasto)	Secondo EN IEC 60947-5-4 Contatti 020 E10 / E01 12V-5mA <10 <sup>-8</sup> Contatti 020 E10AU / E01AU 5V-1mA <10 <sup>-7</sup>
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Portalamпада operatori luminosi	Attacco BA9S: lampade incandescenza, neon, multiled. Potenze raccomandate: - lampade 2,6W - pulsanti, selettori 1,2W
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Durata lampade	Incandescenza ≤ 1.000 h Neon ≤ 3.000 h Multiled ≥ 50.000 h
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### Configurazione contatti



Max 2 CONTATTI  
Selettori luminosi.



Max 4 CONTATTI  
Pulsanti stabili, pulsanti doppi, manipolatori, emergenza ad ag-gancio, selettori.

### CARATTERISTICHE ELETTRICHE

Rated insulation voltage	Ui 690 V pollution degree 3 according to EN IEC 60947-1
Impulse withstand voltage	Uimp 4KV according to EN IEC 60947-1
Rated thermal current	Ith 10A according to EN IEC 60947-5-1
Short circuit protection	Fuses DIAZED 10 A operating class gLgG, shape D II according to EN IEC 60269-1
Contact material	Contact pads on Ag 1000/1000 for models AU: Ag 1000/1000, gold plated According to EN IEC 947-5-1 / UL 508

Electrical ratings	Cat. AC15 / A600		Cat. DC13 / P300	
	Ue V	Ie A	Ue V	Ie 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		

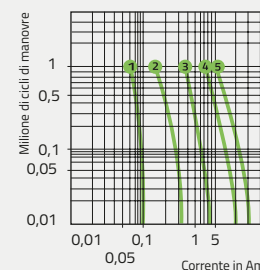
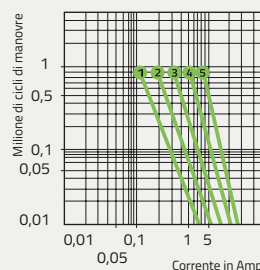
### Electrical durability

#### Alternated current 50+60 Hz cat AC15

- 500 V ● 380 V ● 220 V
- 127 V ● 12/48 V

#### Direct current cat DC 13

- 400 V ● 220 V ● 110 V
- 48 V ● 24/12 V



Electrical reliability (failure percentage)	According to EN IEC 60947-5-4 Contact 020 E10 / E01 12V-5mA <10 <sup>-8</sup> Contact 020 E10AU / E01AU 5V-1mA <10 <sup>-7</sup>
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Lampholder	BA9S socket: incandescent, neon, multiled lamps illuminated operators. Recommended power: - lamps 2,6W - push-buttons, selector switches 1,2W
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Lamp life	Incandescent ≤ 1.000 h Neon ≤ 3.000 h Multiled ≥ 50.000 h
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### Contact configuration



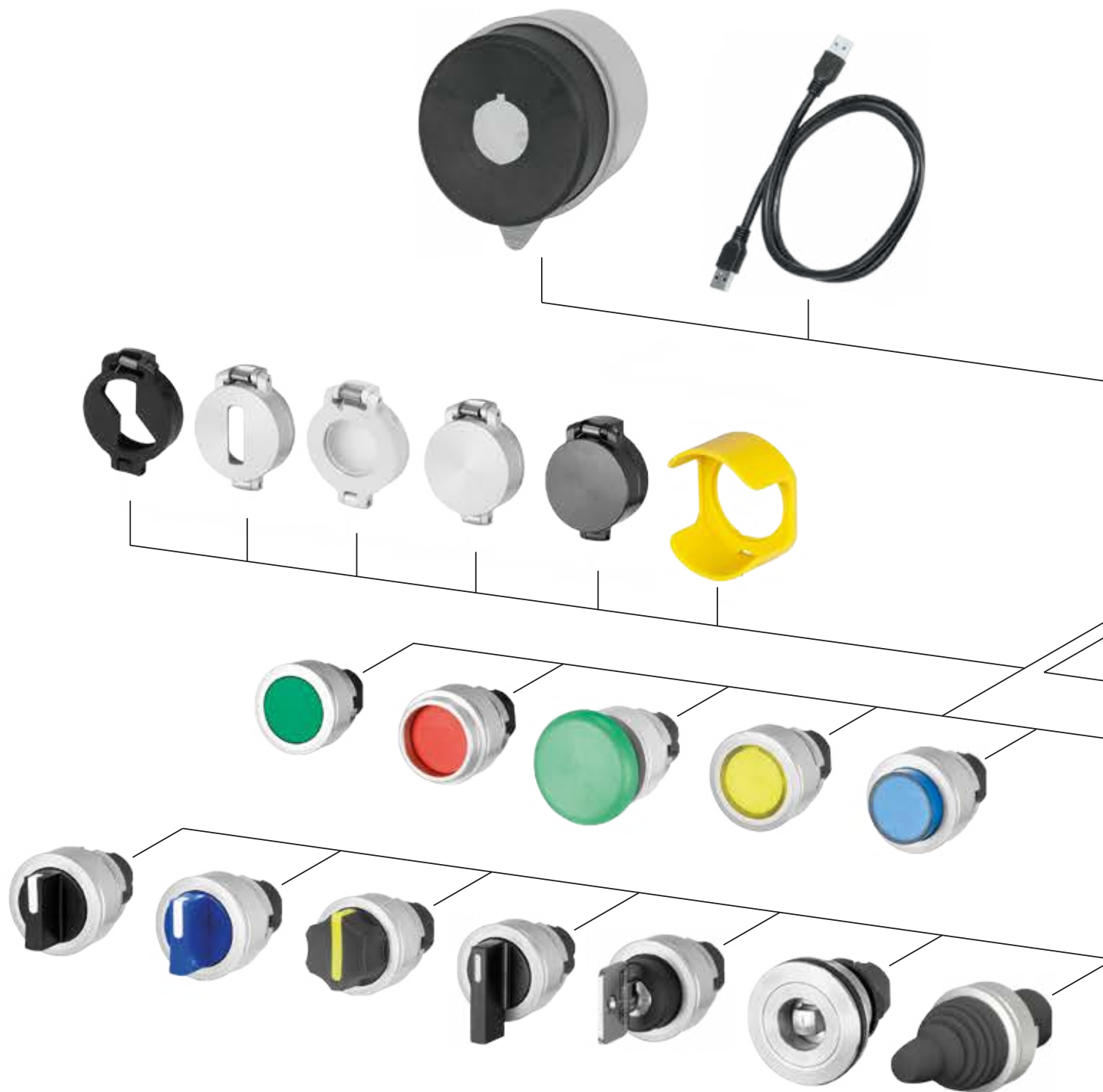
Max 2 CONTACTS  
Illuminated selector switches.



Max 4 CONTACTS  
Maintained push-buttons, twin push-buttons, joysticks latching emergency push-buttons, selector switches

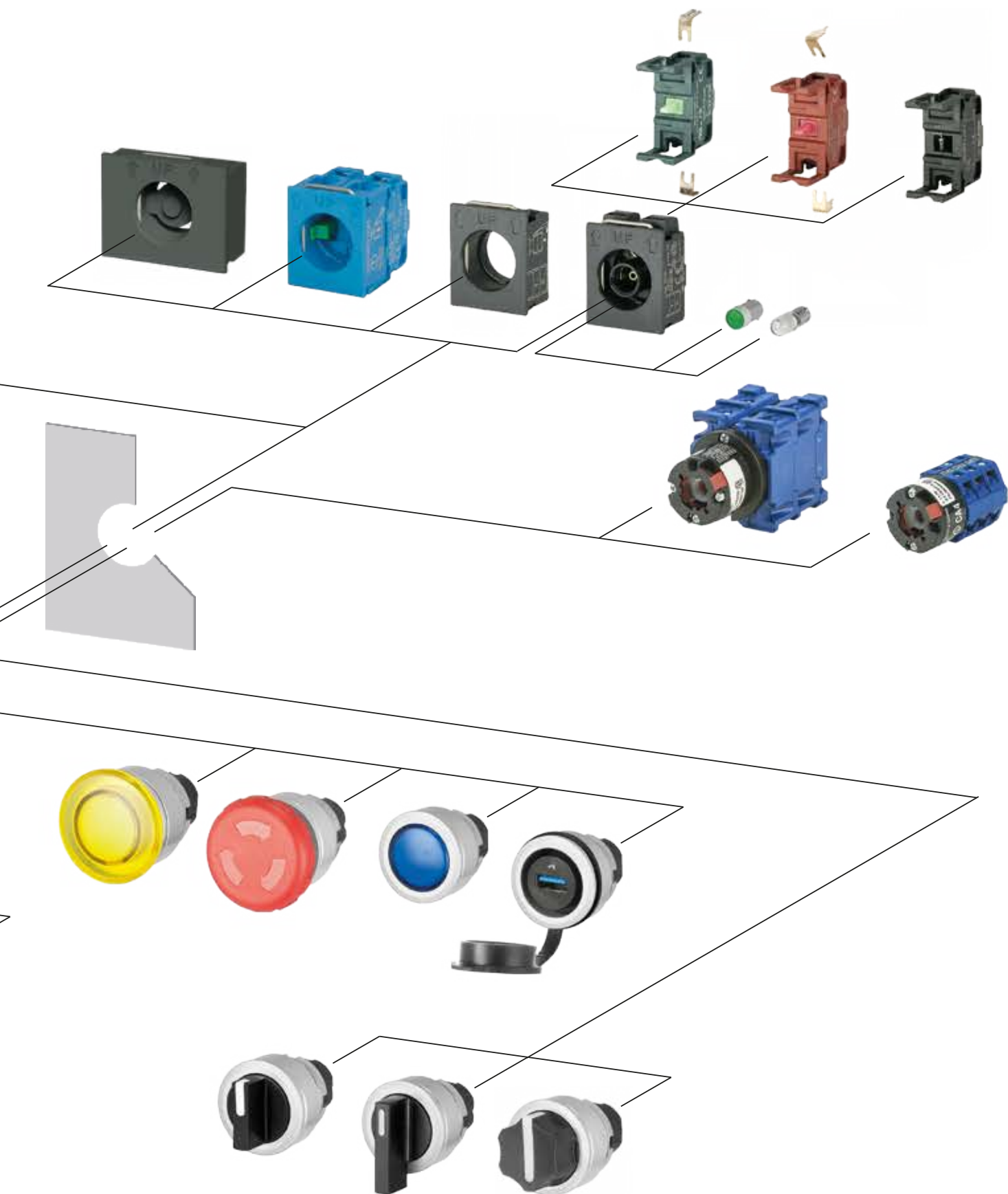
# PANORAMICA 032

## 032 OVERVIEW



# PANORAMICA 032

## 032 OVERVIEW



030

040

080

050

060

# Pulsanti non luminosi Ø 30

## Non-illuminated push-buttons Ø 30

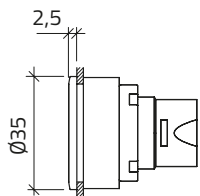
### Pulsanti normali

#### Normal push-buttons

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Momentaneo  
Momentary

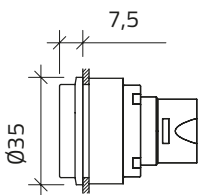
Stabile  
Maintained



### Pulsanti con guardia

#### Guarded push-buttons

● Nero / Black	34	<b>030PFIN</b>	<b>030PPFIN</b>
● Rosso / Red	34	<b>030PFIR</b>	<b>030PPFIR</b>
● Verde / Green	34	<b>030PFIV</b>	<b>030PPFIV</b>
● Giallo / Yellow	34	<b>030PFIG</b>	<b>030PPFIG</b>
● Blu / Blue	34	<b>030PFIBL</b>	<b>030PPFIBL</b>
○ Bianco / White	34	<b>030PFIB</b>	<b>030PPFIB</b>



### Pulsanti con guardia estesa

#### Push-buttons with extended guard

● Nero / Black	37	<b>030PFGEN</b>	
● Rosso / Red	37	<b>030PFGER</b>	
● Verde / Green	37	<b>030PFGEV</b>	
● Giallo / Yellow	37	<b>030PFGEG</b>	
● Blu / Blue	37	<b>030PFGEBL</b>	
○ Bianco / White	37	<b>030PFGEB</b>	

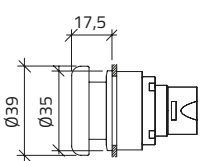
### Pulsanti a fungo

#### Mushroom push-buttons

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Momentaneo  
Momentary

Stabile  
Maintained



Per marcatura consultare pag. 156 / For marking see page 156

### Pulsanti a fungo Ø 40

#### Mushroom push-buttons Ø 40

● Nero / Black	50	<b>030PFAFMN</b>	<b>030PPFAFMN</b>
● Rosso / Red	50	<b>030PFAFMR</b>	<b>030PPFAFMR</b>
● Verde / Green	50	<b>030PFAFMV</b>	<b>030PPFAFMV</b>
● Giallo / Yellow	50	<b>030PFAFMG</b>	<b>030PPFAFMG</b>

# Pulsanti luminosi Ø 30

## Illuminated push-buttons Ø 30

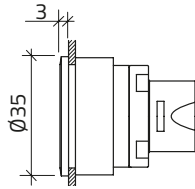
Per marcatura consultare pag. 156 / For marking see page 156

### Pulsanti luminosi Illuminated push-buttons

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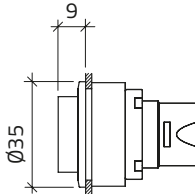
Momentaneo  
Momentary

Stabile  
Maintained



#### Pulsanti con guardia Guarded push-buttons

● Rosso / Red	34	<b>030PFLIR</b>	<b>030PPFLIR</b>
● Verde / Green	34	<b>030PFLIV</b>	<b>030PPFLIV</b>
● Giallo / Yellow	34	<b>030PFLIG</b>	<b>030PPFLIG</b>
● Blu / Blue	34	<b>030PFLIBL</b>	<b>030PPFLIBL</b>
○ Trasparente / Clear	34	<b>030PFLII</b>	<b>030PPFLII</b>



#### Pulsanti sporgenti Projecting push-buttons

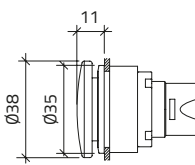
● Rosso / Red	37	<b>030PFLSR</b>	
● Verde / Green	37	<b>030PFLSV</b>	
● Giallo / Yellow	37	<b>030PFLSG</b>	
● Blu / Blue	37	<b>030PFLSBL</b>	
○ Trasparente / Clear	37	<b>030PFLSI</b>	

### Pulsanti luminosi a fungo Illuminated mushroom push-buttons

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Momentaneo  
Momentary

Stabile  
Maintained



#### Pulsanti a fungo Ø 38 Mushroom push-buttons Ø 38

● Rosso / Red	50	<b>030PFAFLR</b>	<b>030PPFAFLR</b>
● Verde / Green	50	<b>030PFAFLV</b>	<b>030PPFAFLV</b>
● Giallo / Yellow	50	<b>030PFAFLG</b>	<b>030PPFAFLG</b>

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# Pulsanti d'arresto emergenza Ø 30

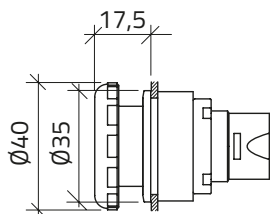
## Emergency stop push-buttons Ø 30

### Pulsanti d'emergenza a fungo Ø 40

#### Mushroom emergency stop push-buttons Ø 40

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**Aggancio rapido / Sgancio a rotazione**  
**Fast latching / Twist-release**

**Pulsante d'emergenza / Emergency stop push-button**

● Rosso / Red

50

**030PFAAR**

**Pulsante d'arresto / Stop push-button**

● Nero / Black

50

**030PFAAN**



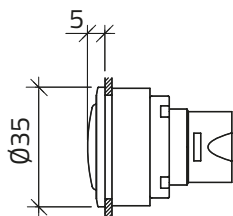
# Lampade spia Ø 30

## Pilot lights Ø 30

Per marcatura consultare pag. 156 / For marking see page 156

### Lampade spia modulari

#### Modular pilot lights



	g	cod
● Rosso / Red	33	<b>030LFIR</b>
● Verde / Green	33	<b>030LFIV</b>
● Giallo / Yellow	33	<b>030LFIG</b>
● Blu / Blue	33	<b>030LFIBL</b>
○ Bianco / White	33	<b>030LFIB</b>
● Arancio / Orange	33	<b>030LFIA</b>

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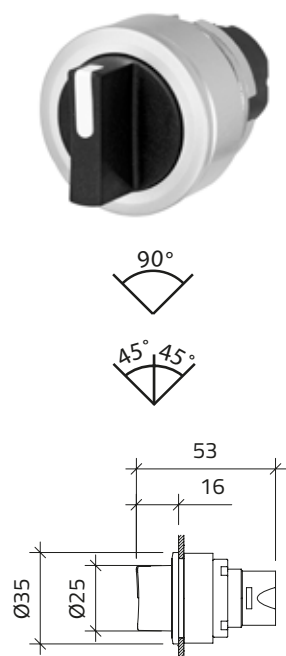


# Selettori a manopola Ø 30

## Knob selector switches Ø 30

Controllare schemi elettrici a pag. 143 / See electrical diagrams on page 143

### 2 posizioni / 2 positions



**CAM A**

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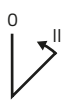
**030SFMAN**



**CAM B**

39

**030SFMBN**

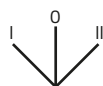
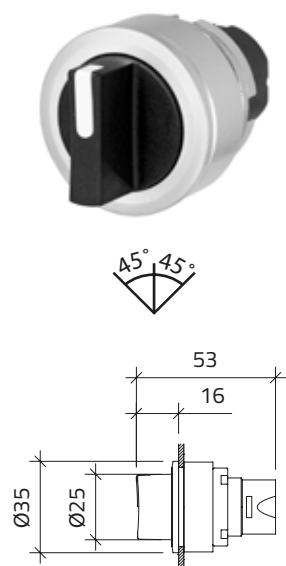


**CAM B**

39

**030SFMBND**

### 3 posizioni / 3 positions



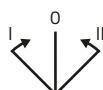
**CAM O**

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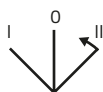
**030SFMON**



**CAM O**

39

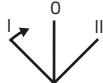
**030SFMONC**



**CAM O**

39

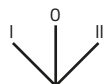
**030SFMOND**



**CAM O**

39

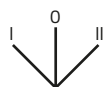
**030SFMONS**



**CAM T**

39

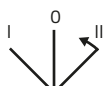
**030SFMTN**



**CAM E**

39

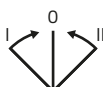
**030SFMEN**



**CAM E**

39

**030SFMEND**



**CAM E**

39

**030SFMENC**

# Selettori luminosi a manopola Ø 30

## Illuminated knob selector switches Ø 30

Controllare schemi elettrici a pag. 143 / See electrical diagrams on page 143

### 2 posizioni / 2 positions

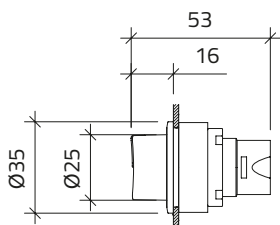
g

cod



#### CAM A

○ Bianco / White	36	<b>030SFMLAB</b>
● Rosso / Red	36	<b>030SFMLAR</b>
● Verde / Green	36	<b>030SFMLAV</b>
● Giallo / Yellow	36	<b>030SFMLAG</b>
● Blu / Blue	36	<b>030SFMLABL</b>



### 3 posizioni / 3 positions

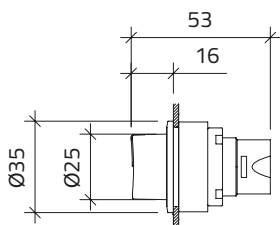
g

cod



#### CAM O

○ Bianco / White	36	<b>030SFMLOB</b>
● Rosso / Red	36	<b>030SFMLOR</b>
● Verde / Green	36	<b>030SFMLOV</b>
● Giallo / Yellow	36	<b>030SFMLOG</b>
● Blu / Blue	36	<b>030SFMLOBL</b>



#### CAM O

○ Bianco / White	36	<b>030SFMLOBC</b>
● Rosso / Red	36	<b>030SFMLORC</b>
● Verde / Green	36	<b>030SFMLOVC</b>
● Giallo / Yellow	36	<b>030SFMLOGC</b>
● Blu / Blue	36	<b>030SFMLOBLC</b>

030

040

080

050

060

# Selettori luminosi a pomello Ø 30

## Illuminated rotary knob selector switches Ø 30

Controllare schemi elettrici a pag. 143 / See electrical diagrams on page 143

### 2 posizioni / 2 positions

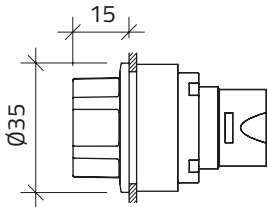
g

cod



#### CAM A

○ Bianco / White	36	<b>030SFPLAB</b>
● Rosso / Red	36	<b>030SFPLAR</b>
● Verde / Green	36	<b>030SFPLAV</b>
● Giallo / Yellow	36	<b>030SFPLAG</b>
● Blu / Blue	36	<b>030SFPLABL</b>
● Arancio / Orange	36	<b>030SFPLAA</b>



### 3 posizioni / 3 positions

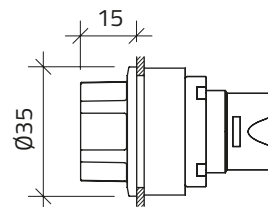
g

cod



#### CAM O

○ Bianco / White	36	<b>030SFPLOB</b>
● Rosso / Red	36	<b>030SFPLOR</b>
● Verde / Green	36	<b>030SFPLOV</b>
● Giallo / Yellow	36	<b>030SFPL OG</b>
● Blu / Blue	36	<b>030SFPLOBL</b>
● Arancio / Orange	36	<b>030SFPL OA</b>



#### CAM O

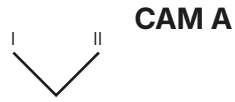
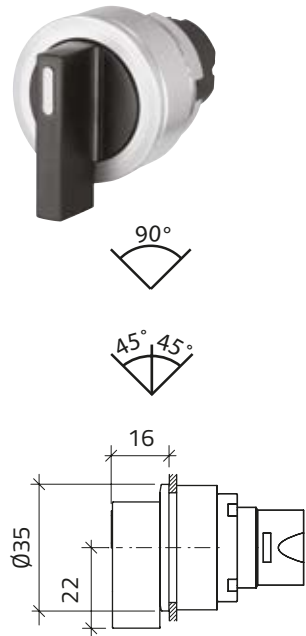
○ Bianco / White	36	<b>030SFPLOBC</b>
● Rosso / Red	36	<b>030SFPLORC</b>
● Verde / Green	36	<b>030SFPLOVC</b>
● Giallo / Yellow	36	<b>030SFPL OGC</b>
● Blu / Blue	36	<b>030SFPLOBLC</b>
● Arancio / Orange	36	<b>030SFPL OAC</b>

# Selettori a leva Ø 30

## Lever selector switches Ø 30

Controllare schemi elettrici a pag. 143 / See electrical diagrams on page 143

### 2 posizioni / 2 positions



g

cod

39

**030SFLAN**



39

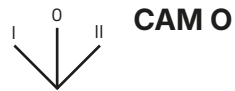
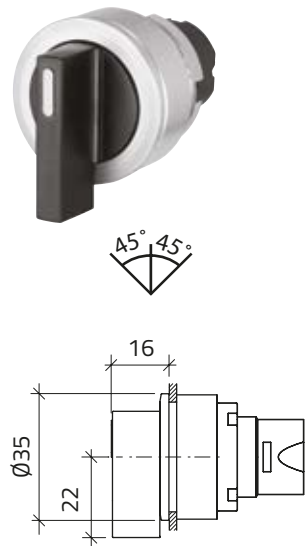
**030SFLBN**



39

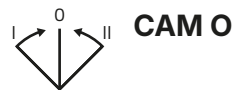
**030SFLBND**

### 3 posizioni / 3 positions



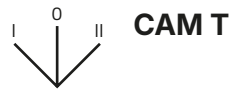
39

**030SFLON**



39

**030SFLONC**



39

**030SFLTN**

g

cod

030

040

080

050

060

# Commutatore rotativo 10A Ø 30

## Rotary selector switches 10A Ø 30

### Commutatore rotativo a leva corta

#### Short lever rotary selector switch



Schema 401 / Diagram 401

g

cod

59

030SFMNSC401

### Commutatore rotativo a leva lunga

#### Long lever rotary selector switch



Schema 401 / Diagram 401

g

cod

59

030SFLNSC401

### Commutatore rotativo a pomello

#### Rotary knob selector switch



Schema 401 / Diagram 401

g

cod

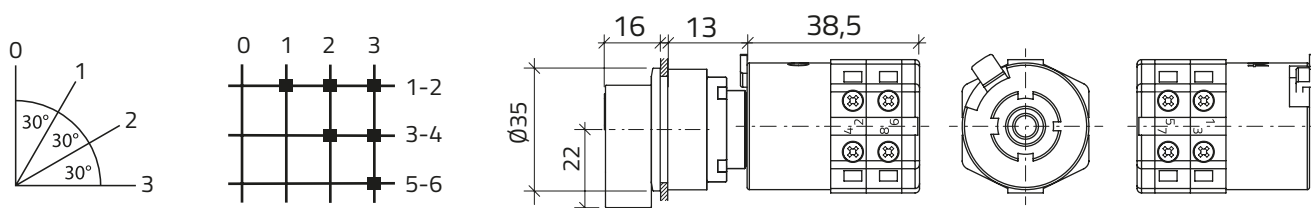
59

030SFPNSC401

### Schema 401

#### Diagram 401

Per altri schemi consultare il nostro ufficio commerciale / For further diagram contact our commercial office


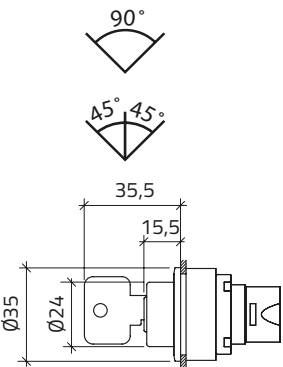


# Selettori a chiave Ø 30

## Key selector switches Ø 30



Controllare schemi elettrici a pag. 143 / See electrical diagrams on page 143

### 2 posizioni / 2 positions

g	k	cod	...	k	cod	
CAM A		82		030SFCA		030SFCA2
		82		030SFCA4		
CAM B		82		030SFCB		030SFCB2
		82		030SFCBD		

### 3 posizioni / 3 positions

g	k	cod	...	k	cod	
CAM O		82		030SFCO		030SFCO2
		82		030SFCO3		030SFCO4
		82		030SFCOC		030SFCOD

### Chiavi speciali Special keys




c	suff
● 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

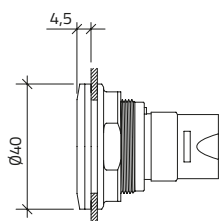
Chiave standard 3095, per chiavi speciali far seguire al codice del selettore il suffisso  
Standard key 3095, for special keys complete the selector code with the suffix

# Selettori a chiave quadra Ø 30

## Square key selector switches Ø 30

Controllare schemi elettrici a pag. 143 / See electrical diagrams on page 143

### 2 posizioni / 2 positions



**CAM A**

g

cod

110

**030SFKQA**



**CAM B**

110

**030SFKQB**

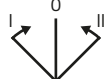
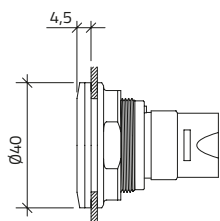


**CAM B**

110

**030SFKQBD**

### 3 posizioni / 3 positions



**CAM O**

g

cod

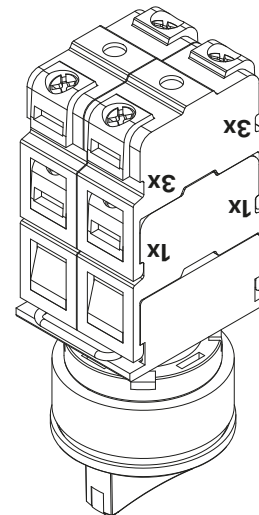
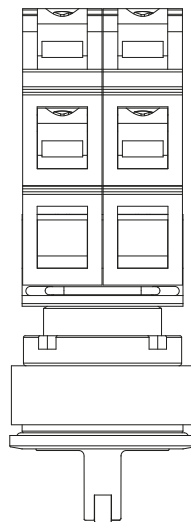
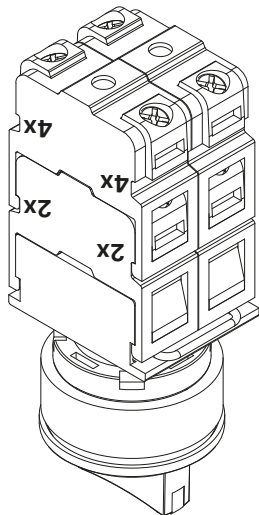
110

**030SFKQOC**

# Schemi per selettori Ø 30

## Diagrams for selector switches Ø 30

			Schema Diagram	Contatti flangiati Flanged contacts
	<b>CAM A</b>			020E10 020G
	<b>CAM A</b>			020E01 020E10 020G
	<b>CAM B</b>			020E01 020E10 020G
	<b>CAM O</b>			020E10 020E10 020G
	<b>CAM T</b>			020E01 020E10 020G
	<b>CAM E</b>			020E01 020E10 020G



030

040

080

050

060



# Manipolatori Ø 30

## Joysticks Ø 30

Controllare schemi elettrici a pag. 145 / See electrical diagrams on page 145

### 2 posizioni / 2 positions

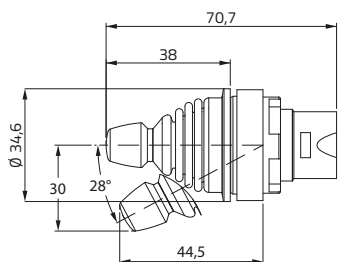
g

cod



①  
②

● RAL 7016	1-2	permanenti / maintained	54	<b>030MFER2P</b>
● RAL 7016	1-2	temporanee / spring return	54	<b>030MFER2T</b>
● RAL 7016	1	permanente / maintained	54	<b>030MFER1P1T</b>
	2	temporanea / spring return	54	



### 3 posizioni / 3 positions

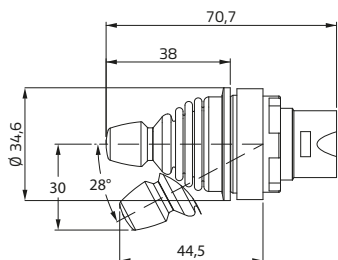
g

cod



①  
② ③

● RAL 7016	1-2-3	permanenti / maintained	54	<b>030MFER3P</b>
● RAL 7016	1-2-3	temporanee / spring return	54	<b>030MFER3T</b>
● RAL 7016	1	permanente / maintained	54	<b>030MFER1P2T</b>
	2-3	temporanee / spring return	54	
● RAL 7016	2-3	permanenti / maintained	54	<b>030MFER1T2P</b>
	1	temporanea / spring return	54	



### 4 posizioni / 4 positions

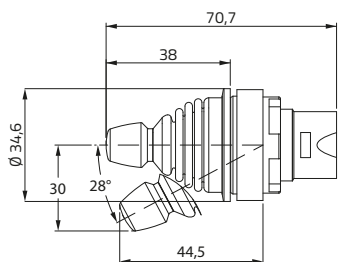
g

cod



①  
③ ④  
②

● RAL 7016	1-2-3-4	permanenti / maintained	54	<b>030MFER4P</b>
● RAL 7016	1-2-3-4	temporanee / spring return	54	<b>030MFER4T</b>
● RAL 7016	1	permanente / maintained	54	<b>030MFER1P3T</b>
	2-3-4	temporanee / spring return	54	
● RAL 7016	1-2-3	permanenti / maintained	54	<b>030MFER1T3P</b>
	4	temporanea / spring return	54	
● RAL 7016	1-2	permanenti / maintained	54	<b>030MFER2P2T</b>
	3-4	temporanee / spring return	54	



# Schemi per manipolatori Ø 30

## Diagrams for joysticks Ø 30

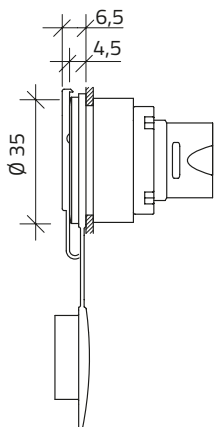
		Schema Diagram	Contatti flangiati Flanged contacts
① ② ③	23 — 24 13 — 14		 020E10 020E10 020G
① ② ③	13 — 14 21 — 22 43 — 44		 020E10 020E10 020E01 020G
① ② ③ ④	43 — 44 33 — 34 21 — 22 11 — 12		 020E10 020E10 020E01 020E01 020G

030  
 040  
 080  
 050  
 060

# Presa UBS filopannello 3.0 Ø 30

## 3.0 flush-mount USB socket Ø 30

### Presa USB 3.0 3.0 USB socket



g

cod

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

● Nero / Black

39

030PFUSB

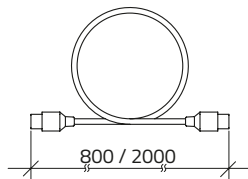
#### Tipo C-A (femmina-femmina) C-A type (female-female)

● Nero / Black

39

030PFUSBC

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



g

cod

0,8 m  
0,8 m

● Nero / Black

37

010CUSBMM8

2 m  
2 m

● Nero / Black

77

010CUSBMM20

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



g

cod

0,8 m  
0,8 m

● Nero / Black

37


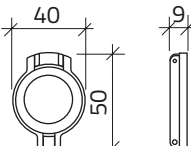

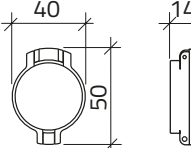

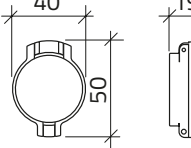

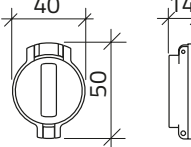

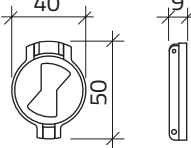


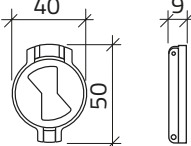

010CUSBML8

# Accessori Ø 30

## Accessories Ø 30


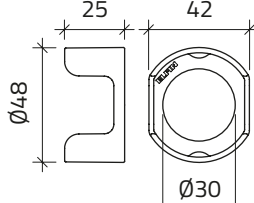
### Protezioni piombabili in alluminio

#### Sealable aluminum covers

		g	cod
		<b>Per pulsanti</b> <b>For push-buttons</b>	
		<ul style="list-style-type: none"> <li>● Alluminio / Aluminum 12</li> <li>● Nero / Black 12</li> </ul>	<ul style="list-style-type: none"> <li><b>030PFPLPA</b></li> <li><b>030PFPLP</b></li> </ul>
		<b>Per pulsanti</b> <b>For push-buttons</b>	
		<ul style="list-style-type: none"> <li>● Alluminio / Aluminum 15</li> <li>● Nero / Black 15</li> </ul>	<ul style="list-style-type: none"> <li><b>030PFPPA</b></li> <li><b>030PFPP</b></li> </ul>
		<b>Per pulsanti sporgenti</b> <b>For projecting push-buttons</b>	
		<ul style="list-style-type: none"> <li>● Alluminio / Aluminum 19</li> <li>● Nero / Black 19</li> </ul>	<ul style="list-style-type: none"> <li><b>030PFPSPA</b></li> <li><b>030PFPS</b></li> </ul>
		<b>Per selettori con blocco</b> <b>For selector switches with lock</b>	
		<ul style="list-style-type: none"> <li>● Alluminio / Aluminum 14</li> <li>● Nero / Black 14</li> </ul>	<ul style="list-style-type: none"> <li><b>030PFPSBA</b></li> <li><b>030PFPSB</b></li> </ul>
		<b>Per abilitazione selettore a DX</b> <b>For selector enable to RH</b>	
		<ul style="list-style-type: none"> <li>● Nero / Black 12</li> </ul>	 <ul style="list-style-type: none"> <li><b>030PFPS2P-0D</b></li> </ul>
		<b>Per abilitazione selettore a SX</b> <b>For selector enable to LH</b>	
		<ul style="list-style-type: none"> <li>● Nero / Black 12</li> </ul>	 <ul style="list-style-type: none"> <li><b>030PFPS2P-S0</b></li> </ul>

### Protezioni in termoplastico

#### Termoplastic guards

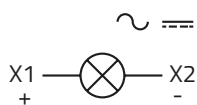
		g	cod
		<b>Ghiere di protezione per pulsanti a fungo</b> <b>Guards for mushroom push-buttons</b>	
		<ul style="list-style-type: none"> <li>● Grigio / Grey</li> <li>● Giallo / Yellow</li> </ul>	<ul style="list-style-type: none"> <li><b>030GPF42</b></li> <li><b>030GPF42G</b></li> </ul>

# Portalampada BA9S

## Lampholders BA9S

### Portalampada Lampholders

g n cod



#### Alimentazione diretta / Direct supply

IEC: BA9S 400V max. 2W

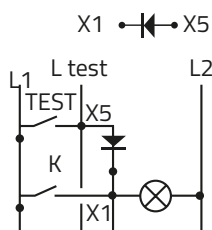
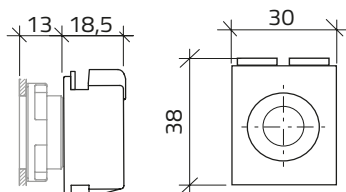
UL-CSA: BA9S 250V max. 2W

Lampadina non inclusa / Bulb not included

UL-CSA: BA9S 250V max. 2W

Terminali ad occhiello / Ring lug terminals

16	10	<b>020PD9</b>
16	10	<b>020PD9TO</b>

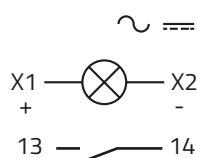
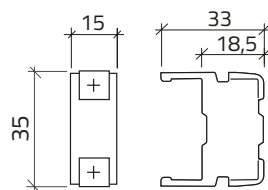


#### Elemento prova lampada / Lamp test module

Per controllo di funzionamento lampade

Checking lamps for good operation

16		<b>020ET</b>
----	--	--------------



#### Alimentazione diretta / Direct supply

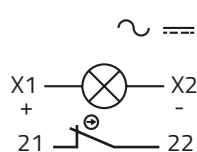
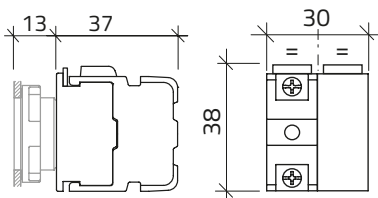
IEC: BA9S 400V max. 2W

UL-CSA: BA9S 250V max. 2W

Lampadina non inclusa / Bulb not included

1NO

26	5	<b>020PD910</b>
----	---	-----------------



#### Alimentazione diretta / Direct supply

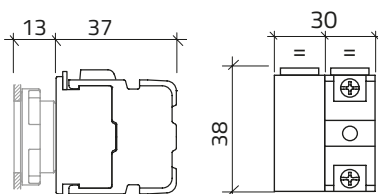
IEC: BA9S 400V max. 2W

UL-CSA: BA9S 250V max. 2W

Lampadina non inclusa / Bulb not included

1NC

26	5	<b>020PD901</b>
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# Portalampada BA9S

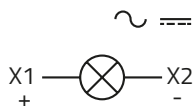
## Lampholders BA9S

### Portalampada Lampholders

g

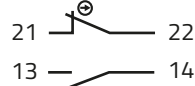
n

cod



#### Alimentazione diretta / Direct supply

IEC: BA9S 400V max. 2W



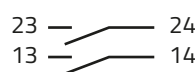
UL-CSA: BA9S 250V max. 2W

Lampadina non inclusa / Bulb not included

1NO + 1NC

37

5

**020PD911**

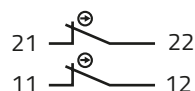
UL-CSA: BA9S 250V max. 2W

Lampadina non inclusa / Bulb not included

2NO

37

5

**020PD920**

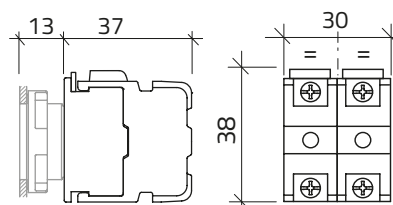
UL-CSA: BA9S 250V max. 2W

Lampadina non inclusa / Bulb not included

2NC

37

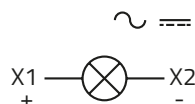
5

**020PD902**

### Porta lampada con cuffia protezione contatti Lampholders with protective contacts guard

g

cod



#### Alimentazione diretta / Direct supply

IEC: BA9S 400V max. 2W

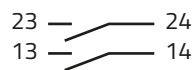


UL-CSA: BA9S 250V max. 2W

Lampadina non inclusa / Bulb not included

1NO + 1NC

95

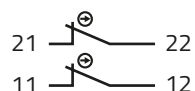
**020PD911CP**

UL-CSA: BA9S 250V max. 2W

Lampadina non inclusa / Bulb not included

2NO

95

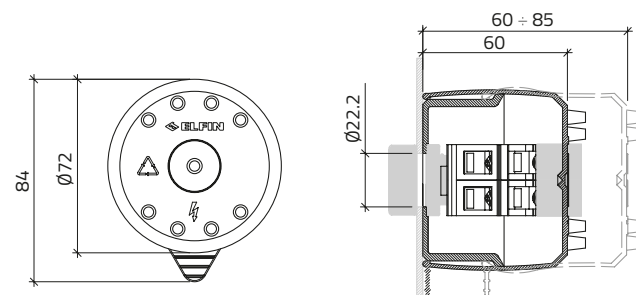
**020PD920CP**

UL-CSA: BA9S 250V max. 2W

Lampadina non inclusa / Bulb not included

2NC

95

**020PD902CP**

030

040

080

050

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# Elementi di contatto

## Contact blocks

### Elementi di contatto

#### Contact blocks

g n cod

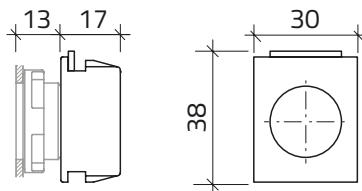


Flangia per contatti / Flange for contacts

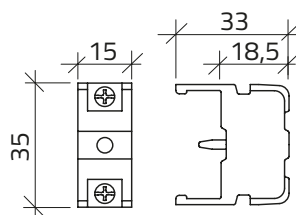
8

10

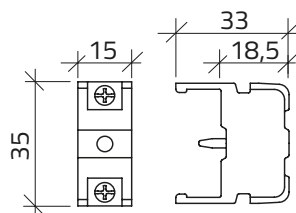
**020G**



	3	4	1NO	10	10	<b>020E10</b>
	3	4	1NO Chiusura anticipata / <b>Early make</b>	10	5	<b>020E10A</b>
	3	4	1NO	10	5	<b>020E10AU</b>
<small>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</small>						
	3	4	1NO Terminale ad occhiello / <b>Ring lug terminal</b>	10	10	<b>020E10TO</b>
	3	4	1NO Terminale ad occhiello / <b>Ring lug terminal</b>	10	5	<b>020E10AUTO</b>
<small>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</small>						



	1	2	1NC	10	10	<b>020E01</b>
	1	2	1NC Apertura ritardata / <b>Late break</b>	10	5	<b>020E01R</b>
	1	2	1NC	10	5	<b>020E01AU</b>
<small>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</small>						
	1	2	1NC Terminale ad occhiello / <b>Ring lug terminal</b>	10	10	<b>020E01TO</b>
	1	2	1NC Terminale ad occhiello / <b>Ring lug terminal</b>	10	5	<b>020E01AUTO</b>
<small>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</small>						



# Elementi di contatto

## Contact blocks

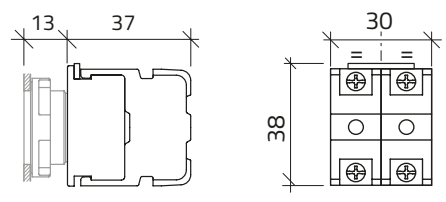
### Elementi di contatto con flangia

#### Contact blocks with flange

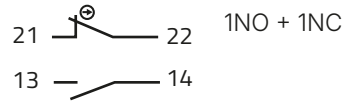
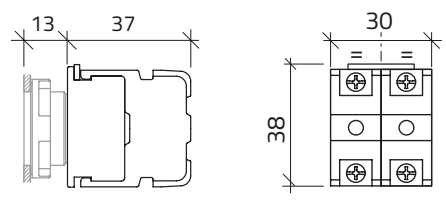
g n cod



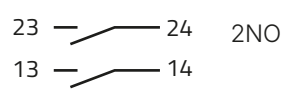
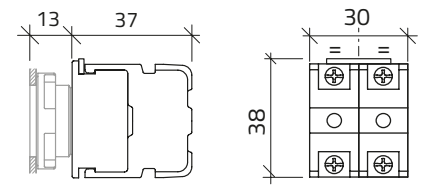
19 5 020GE10



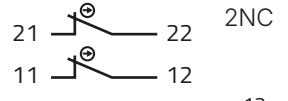
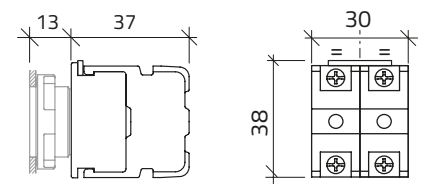
19 5 020GE01



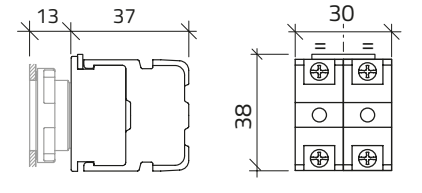
29 5 020GE11



29 5 020GE20



29 5 020GE02




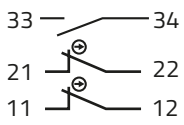
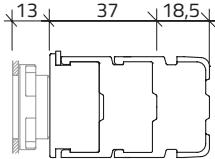
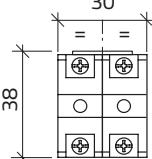
030  
040  
080  
050  
060


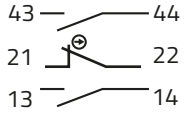
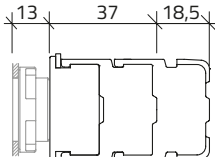
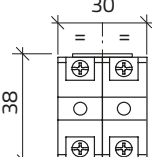
# Elementi di contatto


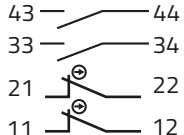
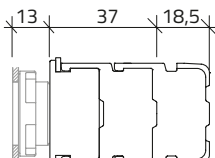
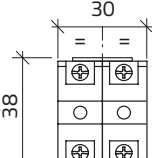
## Contact blocks

### Elementi di contatto con flangia

#### Contact blocks with flange


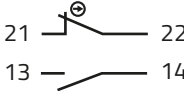
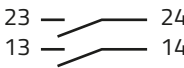
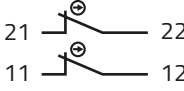
	 <p>33 — 34 21 — 22 11 — 12</p>	<p>1NO + 2NC</p>  	g	n	cod
			39	5	<b>020GE12</b>

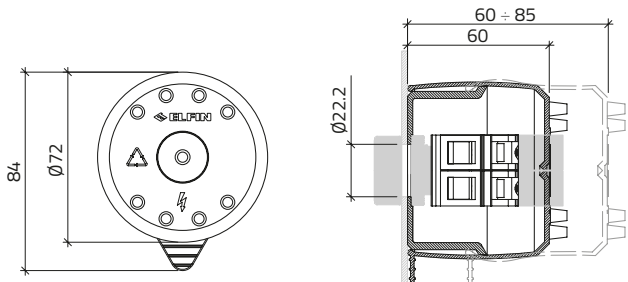
	 <p>43 — 44 21 — 22 13 — 14</p>	<p>2NO + 1NC</p>  	39	5	<b>020GE21</b>
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	 <p>43 — 44 33 — 34 21 — 22 11 — 12</p>	<p>2NO + 2NC</p>  	50	1	<b>020GE22</b>
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### Elementi di contatto con flangia e cuffia protezione

#### Contact blocks with flange and protection cap

	 <p>21 — 22 13 — 14</p>	<p>1NO + 1NC</p>	g	cod		
			88	<b>020GE11CP</b>		
			 <p>23 — 24 13 — 14</p>	<p>2NO</p>	88	<b>020GE20CP</b>
					 <p>21 — 22 11 — 12</p>	<p>2NC</p>



# Elementi di contatto

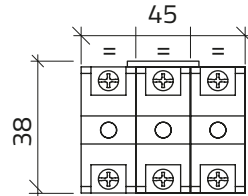
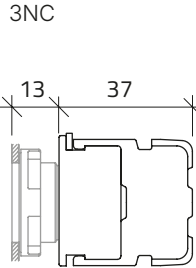
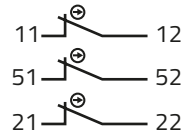
## Contact blocks

### Elementi di contatto con flangia 3 sedi

#### Contact blocks with 3-slot flange

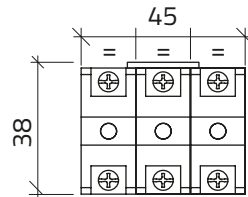
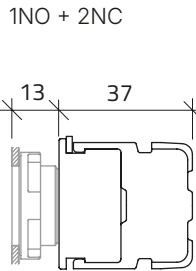
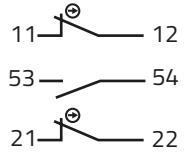
g

cod



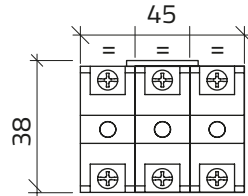
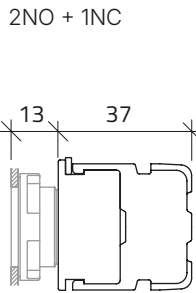
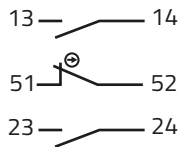
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**020G3E03**



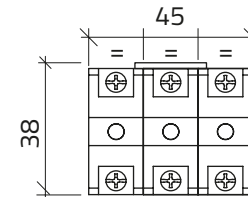
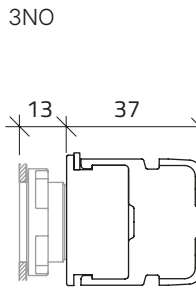
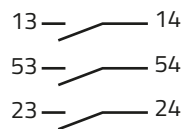
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**020G3E12**



45

**020G3E21**



45

**030G3E30**

030

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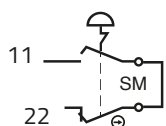


# Elementi di contatto

## Contact blocks

### Elementi di contatto auto-monitorati

#### Self-monitoring contact blocks



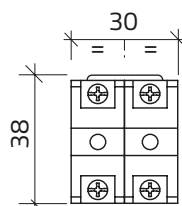
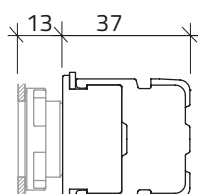
1NC auto-monitorato  
1NC self-monitoring

g

cod

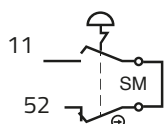
30

020GE01AM



### Elementi di contatto auto-monitorati con flangia 3 sedi

#### Self-monitoring contact blocks with 3-slot flange



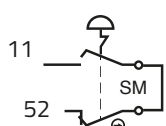
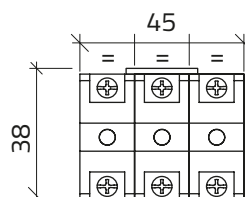
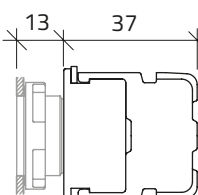
1NC + 1NC auto-monitorato  
1NC + 1NC self-monitoring

g

cod

45

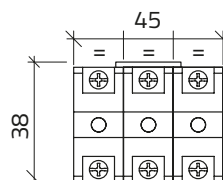
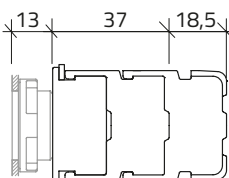
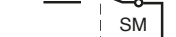
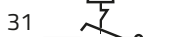
020G3E02AM



2NC + 2NC auto-monitorati  
2NC + 2NC self-monitoring

75

020G3E04AM



# Elementi di contatto

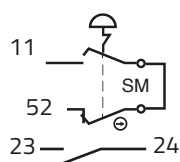
## Contact blocks

### Elementi di contatto auto-monitorati con flangia 3 sedi

#### Self-monitoring contact blocks with 3-slot flange

g

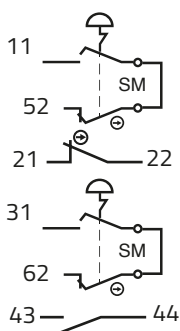
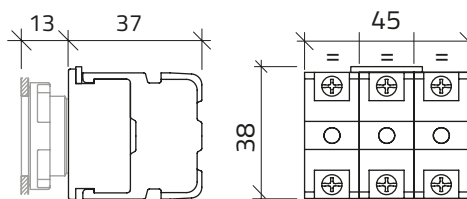
cod



1NO + 1NC auto-monitorato  
1NO + 1NC self-monitoring

45

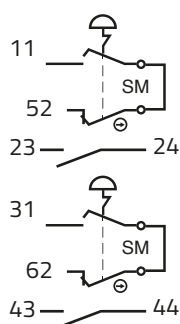
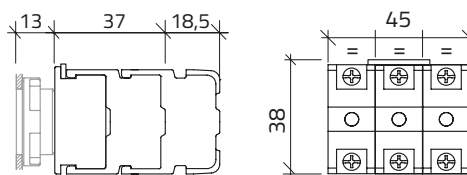
**030G3E11AM**



1NO + 1NC + 2NC auto-monitorati  
1NO + 1NC + 2NC self monitoring

75

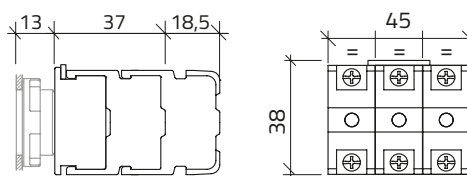
**020G3E13AM**



2NO + 2NC auto-monitorati  
2NO + 2NC self-monitoring

75

**020G3E22AM**



030

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# Simboli per operatori

## Symbols for operators

Per simboli non in lista o esecuzioni speciali contattare il nostro ufficio commerciale / For symbols not listed or special executions contact our commercial office  
 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 / A FUNGO)

Example for ILLUMINATED PUSH-BUTTONS (PROJECTING / MUSHROOM)



### Esempio per LAMPADE SPIA

Example for PILOT LIGHTS



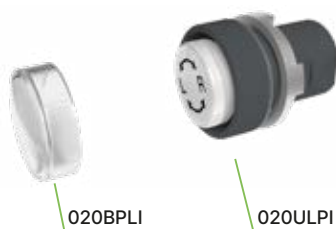
### Esempio per MARCATURA PULSANTI

Example for PUSH-BUTTONS MARKING



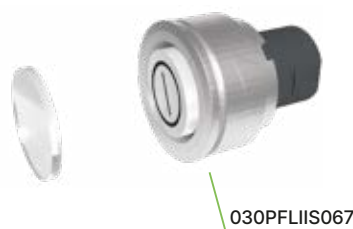
### Esempio per LAMPADE SPIA INVIOLABILI

Example for TAMPER-PROOF PILOT LIGHTS



### Esempio per PULSANTI FILO-PANNELLO

Example for FLUSH-MOUNT PUSH-BUTTONS




SIMBOLO SYMBOL	NORMA STANDARD	SUFFISSO SUFFIX	SIMBOLO SYMBOL	NORMA STANDARD	SUFFISSO SUFFIX	SIMBOLO SYMBOL	NORMA STANDARD	SUFFISSO SUFFIX
	UNI EN 1501-1	S001		UNI EN 1501-1	S010			S018
	UNI EN 1501-1	S002		UNI EN 1501	S011		UNI EN 1501-1	S020
	UNI EN 1501-1	S003		UNI EN 1501-1	S012		UNI EN 1501-1	S021
	UNI EN 1501-1	S004		UNI EN 1501-1	S013		ISO 7000 UNI EN 1501-1	S024
	UNI EN 1501-1	S005		UNI EN 1501-1	S014		UNI EN 1501-1	S025
	UNI EN 1501-1	S006		UNI EN 1501-1	S015		UNI EN 1501-1	S026
	UNI EN 1501-1	S007		UNI EN 1501-1	S016			S027
	UNI EN 1501-1	S008		UNI EN 1501-1	S017		UNI EN 1501-1	S028

# Simboli per operatori

## Symbols for operators

Per simboli non in lista o esecuzioni speciali contattare il nostro ufficio commerciale / For symbols not listed or special executions contact our commercial office  
 Far seguire al codice articolo il suffisso del simbolo desiderato / Complete the item code with the suffix of the desired symbol

SIMBOLO SYMBOL	NORMA STANDARD	SUFFISSO SUFFIX	SIMBOLO SYMBOL	NORMA STANDARD	SUFFISSO SUFFIX	SIMBOLO SYMBOL	NORMA STANDARD	SUFFISSO SUFFIX
	ISO 7000 UNI EN 1501-1	<b>S029</b>			<b>S059</b>			<b>S081</b>
	ISO 7000 UNI EN 1501-1	<b>S030</b>			<b>S060</b>			<b>S082</b>
	ISO 7000 UNI EN 1501-1	<b>S042</b>			<b>S061</b>			<b>S083</b>
	ISO 7000 UNI EN 1501-1	<b>S043</b>			<b>S062</b>			<b>S084</b>
	UNI EN 1501-2	<b>S031</b>			<b>S063</b>			<b>S089</b>
	UNI EN 1501-2	<b>S032</b>			<b>S064</b>			<b>S090</b>
	UNI EN 1501-2	<b>S033</b>			<b>S065</b>			<b>S091</b>
	UNI EN 1501-2	<b>S036</b>			<b>S066</b>			<b>S092</b>
	UNI EN 1501-2	<b>S039</b>			<b>S067</b>			<b>S093</b>
	UNI EN 1501-2	<b>S040</b>		EN 60417	<b>S068</b>			<b>S098</b>
	UNI EN 1501-2	<b>S041</b>			<b>S069</b>			<b>S099</b>
	UNI EN 1501-2	<b>S198</b>			<b>S070</b>			<b>S100</b>
	UNI EN 1501-2	<b>S199</b>			<b>S071</b>			<b>S101</b>
	UNI EN 1501-2	<b>S200</b>			<b>S072</b>			<b>S102</b>
	UNI EN 1501-2	<b>S201</b>			<b>S073</b>			<b>S103</b>
		<b>S019</b>			<b>S074</b>			<b>S104</b>
		<b>S022</b>			<b>S075</b>			<b>S105</b>
		<b>S023</b>			<b>S076</b>			<b>S109</b>
		<b>S037</b>			<b>S077</b>			<b>S110</b>
		<b>S038</b>			<b>S078</b>			<b>S112</b>
		<b>S057</b>			<b>S079</b>			<b>S113</b>
		<b>S058</b>			<b>S080</b>			<b>S114</b>

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# Simboli per operatori

## Symbols for operators

















































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

SIMBOLO SYMBOL	NORMA STANDARD	SUFFISSO SUFFIX	SIMBOLO SYMBOL	NORMA STANDARD	SUFFISSO SUFFIX	SIMBOLO SYMBOL	NORMA STANDARD	SUFFISSO SUFFIX
		S115			S154			S044
		S116			S160			S045
		S117			S161			S046
		S122			S163			S047
		S123			S166			S049
START		S127			S167			S050
RESET		S128			S168			S051
		S129			S170			S052
		S130			S172			S053
STOP		S132			S173			S054
		S135			S176			S055
		S143			S177			S056
		S144			S178			S171
		S145			S179			S175
		S146			S181			S183
		S147			S182			S193
		S148	SOS		S186			S194
		S149			S187			S195
		S150			S189		ISO 0096 ISO 7000	S048
		S151			S190		ISO 7000	S136
		S152			S191		ISO 7000	S137
		S153			S216		ISO 7000	S138

# Simboli per operatori

## Symbols for operators

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

SIMBOLO SYMBOL	NORMA STANDARD	SUFFISSO SUFFIX	SIMBOLO SYMBOL	NORMA STANDARD	SUFFISSO SUFFIX	SIMBOLO SYMBOL	NORMA STANDARD	SUFFISSO SUFFIX
	ISO 7000	<b>S139</b>			<b>S273</b>			<b>S343</b>
	ISO 7000	<b>S140</b>			<b>S274</b>			<b>S344</b>
	ISO 7000	<b>S141</b>			<b>S275</b>			<b>S347</b>
	ISO 7000	<b>S142</b>			<b>S276</b>			<b>S348</b>
	UNI EN 16186-3	<b>S217</b>			<b>S277</b>			<b>S352</b>
	UNI EN 16186-3	<b>S218</b>		UNI EN 16186-3	<b>S284</b>			<b>S353</b>
	UNI EN 16186-2	<b>S221</b>			<b>S290</b>			
	UNI EN 16186-2	<b>S222</b>			<b>S291</b>			
	UNI EN 16186-2	<b>S223</b>		UNI EN 16186-3	<b>S294</b>			
	UNI EN 16186-2	<b>S225</b>			<b>S310</b>			
	UNI EN 16186-3	<b>S227</b>			<b>S311</b>			
	UNI EN 16186-3	<b>S228</b>		UNI EN 16186-2	<b>S312</b>			
	UNI EN 16186-2	<b>S229</b>		UNI EN 16186-2	<b>S314</b>			
	UNI EN 16186-2	<b>S233</b>		UNI EN 16186-2	<b>S315</b>			
	UNI EN 16186-2	<b>S234</b>		UNI EN 16186-2	<b>S316</b>			
	UNI EN 16186-2	<b>S235</b>			<b>S335</b>			
		<b>S244</b>			<b>S336</b>			
		<b>S245</b>			<b>S337</b>			
	UNI EN 16186-3	<b>S252</b>			<b>S338</b>			
	UNI EN 16186-3	<b>S265</b>			<b>S339</b>			
	UNI EN 16186-3	<b>S266</b>			<b>S340</b>			
		<b>S270</b>			<b>S341</b>			

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