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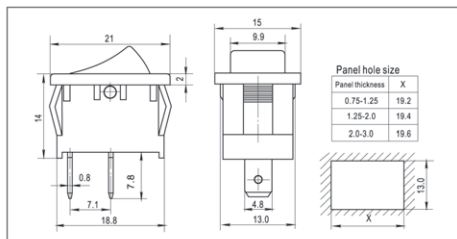
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INTERRUTTORI

Serie RL3-1

SWITCHES

RL3-1 Series



(G): 6(2)A 250VAC T125/55 1E4
10A 125VAC
(H): 10(4)A 250VAC T125/55 1E4
10(2)A 250VAC T85/55 5E4
16A 125V/10A 250VAC 1/3HP
125-250VAC T105

RL3-1 - 11 - G - 2 - BK/BK - P5 - O

Function	Rating	Cap Printing	Cap Color/Housing	Terminal	Cap Type
11 ON-OFF 2P	G 10A 125VAC 6A 250VAC	0 None	BK Black	(P4)	O Nothing
12 ON-ON 3P	H 16A 125VAC 10A 250VAC	1	WT White	(P5)	P PVC-Cap
13 ON-OFF-ON 3P		2	RE Red	(P7)	
11(ON) [ON]-OFF 2P		3	GE Grey	(P6)	
11(OFF) [ON]-OFF 2P	7	4		(P7-F)	
12(ON) [ON]-ON 3P	8	6		(P15)	
00 Indicator Lamp				(P16)	

(P7)	(PCC)	(P57)	(P47)	(P27)	(P15)	(P16)
(P17)	(P7-F)	(PCB)	(P47-5.8)	(P36)	(P26)	

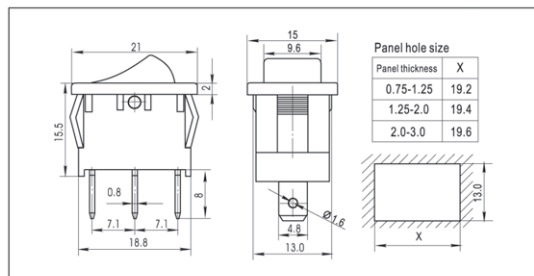
INTERRUTTORI

Serie RL3-3



SWITCHES

RL3-3 Series



(G): 6(2)A 250VAC T125/55 1E4
10A 125VAC
(H): 10(4)A 250VAC T125/55 1E4
10(2)A 250VAC T85/55 5E4
16A 125V/10A 250VAC 1/3HP
125-250VAC T105

RL3-3 - 11/N - G - 2 - RE/BK - P4 - O... (2)

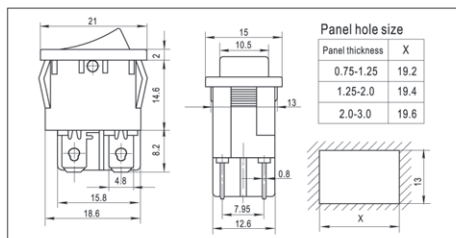
Function	Rating	Cap Printing	Cap Color/Housing	Terminal	Cap Type	Voltage
11/N ON-OFF 3P W/Lamp	G 10A 125VAC 6A 250VAC H 16A 125VAC 10A 250VAC	0 None 1 2 3 8 15	BK Black WT White RE Red OR Orange GR Green BL Blue GE Grey	 (P4) (P16) (P24)	O Nothing P PVC-Cap	1 110VAC 2 220VAC 3 12VDC 4 24VDC

INTERRUTTORI

Serie RL3-4

SWITCHES

RL3-4 Series



(G): 6(2)A 250VAC T125/55 1E4
10A 125VAC
(H): 10(4)A 250VAC T125/55 1E4
10(2)A 250VAC T85/55 5E4
16A 125V/10A 250VAC 1/3HP
125-250VAC T105

RL3-4 - 21 - G - 2 - BK/BK - P8 - O

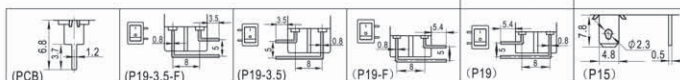
Function	
21/N	ON-OFF 4P W/Lamp
21	ON-OFF 4P
11/N	ON-OFF 3P W/Lamp
11	ON-OFF 2P

Rating	
G	10A 125VAC 6A 250VAC
H	16A 125VAC 10A 250VAC

Cap Printing	
0	None
1	
2	
3	
8	
15	
29	

Cap Color/Housing	
BK	Black
WT	White
RE	Red
OR	Orange
GR	Green
GE	Grey

Terminal	Cap Type
 (P4)	O Nothing
 (P8)	P PVC-Cap
 (P18)	
 (P19)	
 (P15)	

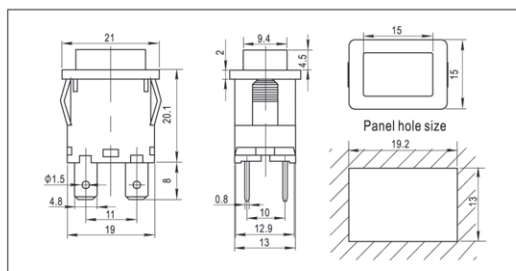


INTERRUTTORI

Serie RL5-6

SWITCHES

RL5-6 Series



16(4)A 250VAC T125/55
10(2)A 250VAC 5E4

RL5-6 - 21 - A - O - RE/BK - P4... (2)

Function

1 1	ON-OFF 2P
11(ON)	[ON]-OFF 2P
2 1/N	ON-OFF 4P W/Lamp
2 1	ON-OFF 4P
21(ON)	[ON]-OFF 4P
21(ON)/N	[ON]-OFF 4P W/Lamp

Cap Type

A	FLAT
R	
※	

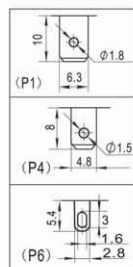
Cap Printing

0	None
---	------

Cap Color/Housing

BK	Black
WT	White
RE	Red
GE	Grey

Terminal



Voltage

1	110VAC
2	220VAC

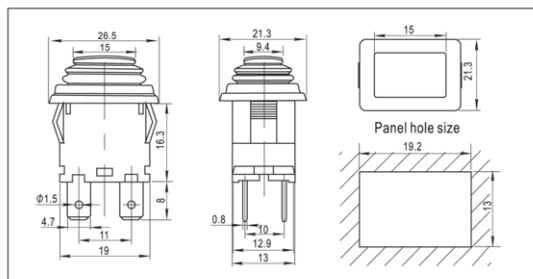
INTERRUTTORI

Serie RL5-6 (P)



SWITCHES

RL5-6 (P) Series



16(4)A 250VAC T125/55
10(2)A 250VAC 5E4

RL5-6(P) - 21 - A - O - RE/BK - P1... (2)

Function		Cap Type	Cap Printing	Cap Color/Housing	Terminal	Voltage
1 1	ON-OFF 2P	A	FLAT	BK Black	(P1)	1 110VAC
1 1 (ON)	(ON)-OFF 2P			WT White		2 220VAC
2 1/N	ON-OFF 4P W/Lamp			RE Red	(P4)	
2 1	ON-OFF 4P			GE Grey		
2 1 (ON)	(ON)-OFF 4P					
2 1 (ON)N	(ON)-OFF 4P W/Lamp					

INTERRUTTORI

Serie RL3-2

SWITCHES

RL3-2 Series



RL3-221-G-2-BK/BK-P5
ON-OFF 4P DPST



RL3-223-G-6-BK/BK-P5
ON-OFF-ON 6P DPDT



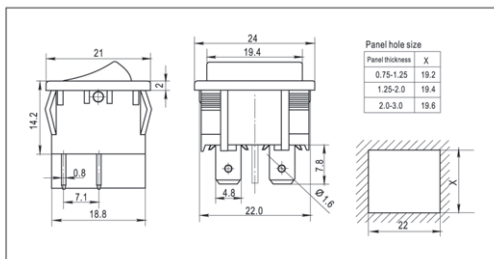
RL3-2 PVC-CAP



RL3-221-N-G-2-RE/BK-P5
ON-OFF 4P DPST



RL3-200-0-RE/BK-P5



(G): 6(2)A 250VAC T125/55 1E4
10A 125VAC
(H): 10(4)A 250VAC T125/55 1E4
10(2)A 250VAC T85/55 5E4
16A 125V/10A 250VAC 1/3HP
125-250VAC T105

RL3-2 - 21/N - G - 2 - BK/BK - P5 - O

Function

21/N	ON-OFF 4P W/Lamp
21	ON-OFF
22	ON-ON
23	ON-OFF-ON
21[ON]	[ON]-OFF
21[OFF]	ON-[OFF]
22[ON]	[ON]-ON
00	Indicator Lamp

Rating

G	10A 125VAC 6A 250VAC
H	16A 125VAC 10A 250VAC

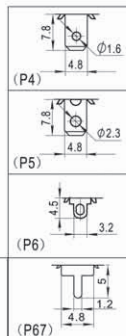
Cap Printing

0	None
1	
2	
3	
4	
5	
6	
7	
8	
15	

Cap Color/Housing

BK	Black
WT	White
RE	Red
GE	Grey

Terminal



Cap Type

O	Nothing
P	PVC-Cap



INTERRUTTORI

Serie RL1-3(W)



RL1-3(W)11/N-C-2-RE/BK-P2
ON-OFF 3P W/Lamp SPST



RL1-3(W)11-C-2-BK/BK-P2
ON-OFF 2P SPST



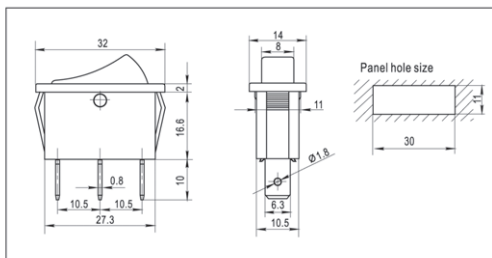
RL1-3(W) PVC-CAP



RL1-3(W)11/N-D(RE)-0-BK/BK-P2
ON-OFF 3P W/Round Len SPST



RL1-3(W)00-A-0-RE/BK-P1
Indicator Lamp 2P



16(4)A 250VAC T125/55 1E4
15A 125V/7.5A 250VAC
(H)Rating: 16(8)A 250VAC T85/55 1E4

RL1-3(W) - 11/N - C - 2 - RE/BK - P1... (2)

Function	Cap Type	Cap Printing	Cap Color/Housing	Terminal	Voltage
11/N ON-OFF 3P W/Lamp	A Flat	0 None	BK Black	(P1)	1 110VAC
11 ON-OFF 2P	C Soft Line	1	WT White	(P2)	2 220VAC
12 ON-ON 3P	D W/Round Len	2	RE Red	(P4)	3 12VDC
13 ON-OFF-ON 3P	P W/PVC-Cap	3	OR Orange	(P20)	4 24VDC
00 Indicator Lamp		4	GR Green	(P14)	5 LED 6V
11[ON] [ON]-OFF 2P		5	BL Blue		6 LED 12V
12[ON] [ON]-ON 3P		8	GE Grey		7 LED 24V
		18			Only for Round Len

INTERRUTTORI

Serie RL2-3 (RL2)



RL2-321/N-C-2-RE/BK-P2
ON-OFF 4P W/Lamp DPST



RL2-321/N-P-2-RE/BK-P2
ON-OFF 4P W/PVC-CAP DPST



RL2-300-0-RE/WT-P1



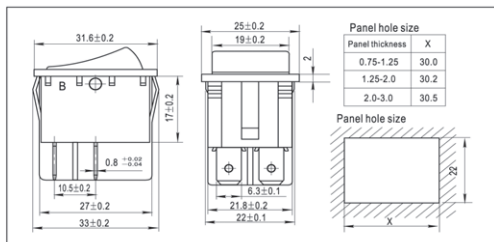
RL2-321-C-2-BK/BK-P2
ON-OFF 4P DPST



RL2-321/N-D(RE)-0-BK/BK-P2
ON-OFF 4P W/Round Len DPST



RL2-321/N-C-0-WT/WT-14
ON-OFF DPST (边脚接柱 无隔板)



16(4)A 250VAC T125/55 1E4

16A 125V/8A 250VAC

(H)Rating: 16(8)A 250VAC T85/55 1E4

RL2-3 - 21/N - C - 2 - RE/BK - P1... (2)

Function	Cap Type	Cap Printing	Cap Color/Housing	Terminal	Voltage
00 Indicator Lamp	A Flat	0 None	BK Black	(P1)	1 110VAC
21/N ON-OFF 4P W/Lamp	C Soft Line	1	WT White	(P2)	2 220VAC
21 ON-OFF 4P	D W/Round Len	2	RE Red	(P4)	3 12VDC
22 ON-ON 6P	P W/PVC-CAP	3	OR Orange	(P20)	4 24VDC
23 ON-OFF-ON 6P	7	4	GR Green	(P14)	
21(ON) (ON)-OFF 4P	8	5	BL Blue	(P20-screw)	
23(ON) (ON)-OFF-ON 6P	28	6			
23(2xON) (ON)-OFF-(ON) 6P					
11 ON-OFF 2P					
12 ON-ON 3P					
13 ON-OFF-ON 3P					
23/N ON-OFF-ON W/Lamp					

INTERRUTTORI

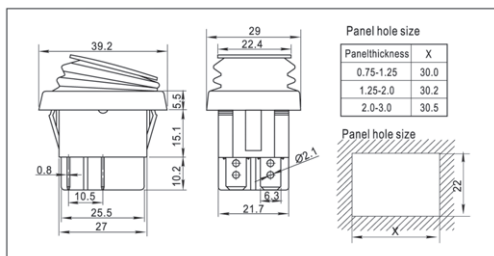
Serie RL2(P)

SWITCHES

RL2(P) Series



IP65 PROTECTION



16(8)A 250VAC T85/55 1E4
16A 125V 250VAC 3/4 HP

RL2(P) - 21/N - O - RE/BK - P1... (2)

Function

21/N	ON-OFF 4P W/Lamp
21	ON-OFF 4P
22	ON-ON 6P
23	ON-OFF-ON 6P
23(ON)	(ON)-OFF-ON 6P
23(ON)	(ON)-OFF-(ON) 6P
23/N	ON-OFF-ON

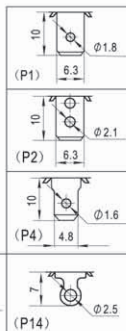
Cap Printing

0	None
1	•
2	○ —
3	○ I
4	— =
5	I II

Cap Color/Housing

BK	Black
WT	White
RE	Red
OR	Orange
GR	Green
BL	Blue
CHR	Chromed

Terminal

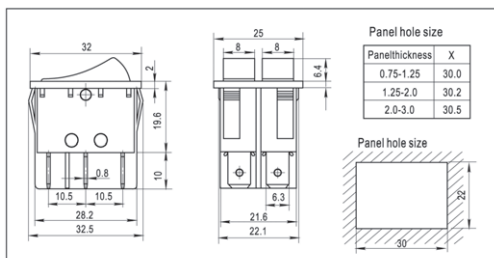
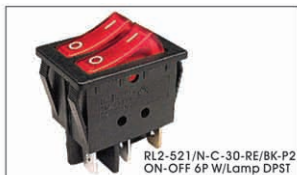


Voltage

1	110VAC
2	220VAC
3	12VDC
4	24VDC

INTERRUTTORI

Serie RL2-5



16(4)A 250VAC T125/55 1E4
16A 125V/8A 250VAC

RL2-5 - 21/N - C - 30 - RE/BK - P1...[2]

Function		Cap Type	Cap Printing	Cap Color/Housing	Terminal	Voltage
00	Indicator Lamp	A Flat	0 None	BK Black	 (P1)	1 110VAC
21/N	ON-OFF 6P W/Lamp	C Soft Line	11	WT White		2 220VAC
21	ON-OFF 4P	D W/Round Len	12	RE Red		3 12VDC
22	ON-ON 6P	P W/PVC-CAP	13	OR Orange		4 24VDC
21[ON]	[ON]-OFF 4P		30	GR Green	 (P2)	
22[ON]	[ON]-ON 6P					
13/13	ON-OFF-ON 6P					
					 (P4)	
					 (P14)	

INTERRUTTORI

Serie RL2(T)

SWITCHES

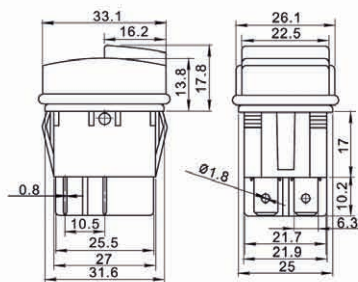
RL2(T) Series



RL2(T)-22-2-RE-GR/BK-P1
ON-ON 6P DPDT



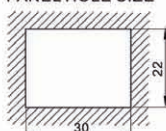
RL2(T)-21-2-BK-BK/BK-P1
ON-OFF 4P DPST



Panel hole size

Panel thickness	X
0.75-1.25	30.0
1.25-2.0	30.2
2.0-3.0	30.5

PANEL HOLE SIZE



16A 125/250VAC
 3/4 HP 125/250VAC T85
 16(8)A 250VAC T85/55 1E4

RL2(T) - 21 - O - BK/BK - P1

Function

21	ON-OFF 4P
22	ON-ON 6P

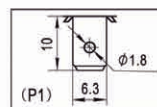
Cap Printing

0	None
1	
2	
3	
4	
5	

Cap Color/Housing

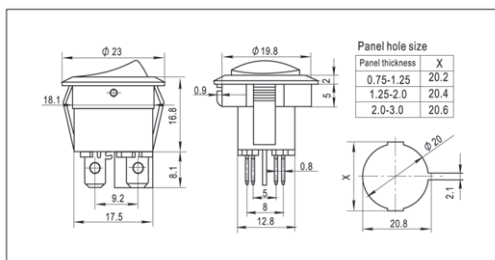
BK	Black
WT	White
RE	Red
OR	Orange
GR	Green
BL	Blue

Terminal



INTERRUTTORI

Serie RL3-4(R)



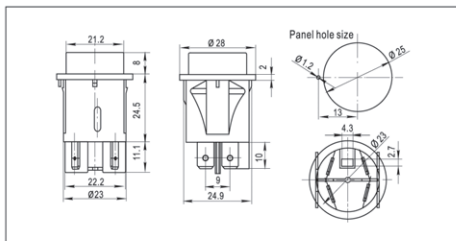
(G): 6(2)A 250VAC T125/55 1E4
10A 125VAC
(H): 10(4)A 250VAC T125/55 1E4
10(2)A 250VAC T85/55 5E4
16A 125V/10A 250VAC 1/3HP
125-250VAC T105

RL3-4(R) - 21 - G - 2 - BK/BK - P8 - O

Function		Rating		Cap Printing		Cap Color/Housing		Terminal	Cap Type
1 1	ON-OFF 2P	G	10A 125VAC 6A 250VAC	0	None	BK	Black	 (P4)	O Nothing
1 1/N	ON-OFF 3P W/Lamp	H	16A 125VAC 10A 250VAC	1		WT	White		P PVC-Cap
2 1	ON-OFF 4P			2		RE	Red		
2 1/N	ON-OFF 4P W/Lamp			3					
				8				 (P8)	
								 (P18)	
								 (P22)	
								 (P23)	

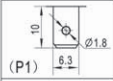
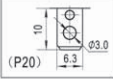
INTERRUTTORI

Serie RL5-1



16(6)A 250VAC 1E4 T125/55
10(4)A 250VAC 5E4 T125/55
3/4HP 250VAC
1/2HP 250VAC
16A 125VAC T105

RL5-1 - 21/N - RE/BK - P1 - O...[2]

Function	Cap Color/Housing	Terminal	Cap Type	Voltage
21/N ON-OFF 4P W/Lamp	BK Black		O Nothing	1 110VAC
21 ON-OFF 4P	WT White		P PVC-Cap	2 220VAC
21(ON) [ON]-OFF 4P	RE Red		R 	3 12VDC
21(ON)/N [ON]-OFF 4P W/Lamp	OR Orange		C 	4 24VDC
11 ON-OFF 2P	GR Green			5 LED 6V
11(ON) [ON]-OFF 2P				6 LED 12V
00 Indicator Lamp				7 LED 24V
11/N ON-OFF 3P W/Lamp				8 LED 110V
				9 LED 220V

Only for
LASER printing

PULSANTI ANTIVANDALO SERIE GQ

ANTIVANDAL METAL PUSH BUTTON GQ SERIES



Implication of type

GQ	16	★	— □	■	◇ /	△ /	▲ /	◎
Code of series	Installation dimensions 12: ϕ 12mm 16: ϕ 16mm 19: ϕ 19mm 22: ϕ 22mm	Front shape F Flat round H High round B spherical	Contact structure 10 1NO 11 1NO1NC 22 2NO2NC	Operation mode Z Maintained No letter means momentary	Lamp type D Dot E ring DP powerlamp	Lamp color ● Red ● Green ● Yellow ● White ● Blue	Lamp voltage AC/DC6V AC/DC12V AC/DC24V AC/DC110V AC/DC220V	The crust material N Brass clad nickel S stainless steel

Contact description

Type	1NO	1NO1NC	1NO1NC
Diagram			
sign			
Note	Double break-points with two terminals slow contact switch	Single break-point with three terminals quick changeover contact switch	Double break-point with four terminals quick changeover contact switch

Terminal description

Model	GQ16	GQ19	GQ22	GQ25
Diagram				
Note	Two group switches maximum, C1 NO1 NC1 and C2 NO2 NC2 are one group switch separately.		1, 2, 3, 4 is a group of switch; 1, 2 is Normally closed contact(NC); 3, 4 is Normally open contact(NO).	

The standard LED terminals have no difference of anode and cathode. The lamp and switch are relatively independent and can use switch or peripheral circuit to control the lamp state.

Switch rating	Ith: 5A UI: 250VAC		
Contact resistance	≤30mΩ		
Insulation resistance	≥1000MΩ		
Insulation intensity	2000VAC		
Operating temp	-20℃ ~ +55℃		
Mechanical life	200	More than 200.0000 times	
Electrical life	50	More than 50.0000 times	
Panel thickness	1 ~ 10mm		
Nut torque	5 ~ 14Nm		
Operation pressure	2.5~4N		
Operation travel	2.8mm	About 2.8 mm	
Ip degree	IP65 ,IK09		
Material	Contact	Silver alloy	
	Button	Stainless steel/brass clad nickel	
	Body	Stainless steel/brass clad nickel	
	Base	PBT	
LED spec	Lamp type	Dot, ring	
	Rated voltage	6V/12V/24V/110V/220V	
	Lamp color		
	Lamp life	40000 hours	



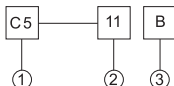
INTERRUTTORI A LEVETTA Serie C5



Features

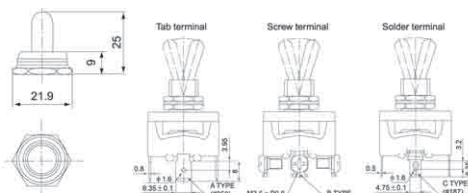
- The current has 10A and 15A
- Movement way has fixed type and auto-return type (both single-throw and double-throw can return)
- The terminal block has screw terminal and solder terminal (tab terminal also can be used)
- Rainproof cap, water-proof and oil-proof, it is suitable for full series products
- Mounting hole: ϕ 12mm

Model Designations



Items	Code	Description
① Type	C5	10A 250VAC
	COR	10A 250VAC Spring return
	C5	15A 250VAC
	C5R	15A 250VAC Spring return
② Contact	11	Single pole single throw ON-OFF
	12	Single pole double throw ON-ON
	13	Single pole double throw (central OFF)ON-OFF-ON
	131	Single pole double throw (central OFF single return)ON-OFF-ON
	21	Double pole single throw ON-OFF
	22	Double pole double throw ON-ON
	23	Double pole double throw (central OFF)ON-OFF-ON
	231	Double pole double throw (central OFF single return)ON-OFF-ON
	A	Screw terminal
	C	Solder terminal(#187)

TOGGLE SWITCH C5 Series



Ratings

Load	Type	AC Rating	DC Rating
Resistance Load	CO	10A 250V 15A 125V	0.4A 250V 0.8A 125V
	C5	15A 250V 20A 125V	0.5A 250V 0.9A 125V
Inductive Load	CO	10A 250V 15A 250V	0.2A 250V 0.4A 125V
	C5	15A 250V 20A 125V	0.3A 250V 0.5A 125V 15A
Lamp Load	CO	300W 100V 500W 200V	30V
	C5	400W 125V 800W 250V	-
Motor Load	CO	200W 125V 300W 250V	7A 30V
	C5	400W 125V(single phase)	-
	CO	550W 250V(three phase)	-
	C5	750W 250V(three phase)	-

Characteristic

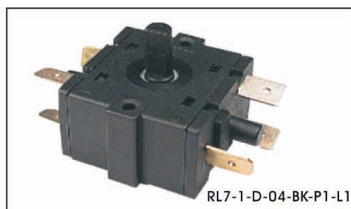
Contact resistance	15M Ω max. (initial)
Insulation resistance	100M Ω above under 500VDC
Dielectric strength	2000VAC, 50/60Hz For 1minute
Vibration	10~55Hz, 1.5mm double amplitude
Ambient temperature	-10°C $\rightarrow$ +80°C (With no icing)
Humidity	85% RH max.
Life	Mechanical: 500,000 operations/min. Electrical: 100,000 operations/min.

COMMUTATORE

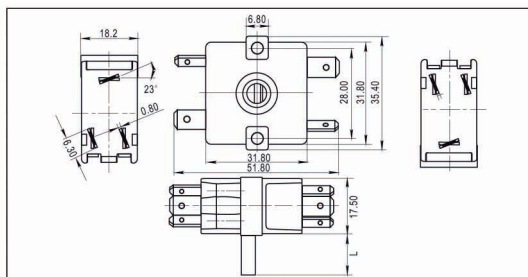
Serie RL7-1

ROTARY SWITCH

RL7-1 Series



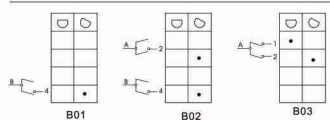
RL7-1-D-04-BK-P1-L1



16A 250VAC T125/55 1E4
16A 125V T105

RL7-1 - D - 04 - BK - P1 - L1

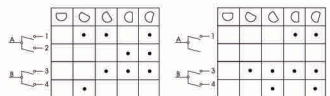
Circuit Options:



B01

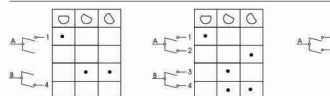
B02

B03



E01

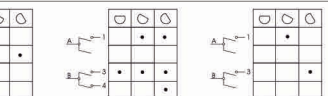
E02



C01

C02

C03

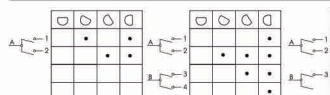


C04

C05

C06

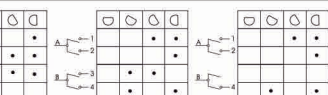
C07



D01

D02

D03



D04

D05

D06

D07

Position

B	2
C	3
D	4
E	5
F	6

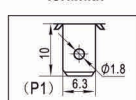
Circuit

01
02
03
04
05
06
07

Cap Color/Housing

BK	Black
WT	White
GE	Grey
BR	Brown

Terminal

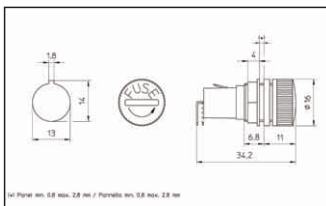


Handle Lenth

L1	11mm
L2	12.5mm
L3	23mm

PORTAFUSIBILI

Tipo: PTF30

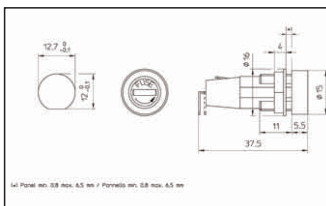


FUSEHOLDERS

Type: PTF30

Fuse link / Fusibile tipo	5x20 mm
Mounting / Montaggio	Panel / Pannello
Rated Current / Corrente nominale	10 A
Rated Voltage / Tensione nominale	250 VAC
Rated Power Acceptance / Potenza dissipabile	2.5 W

Tipo: PTF35



Fuse link / Fusibile tipo	5x20 mm
Mounting / Montaggio	Panel / Pannello
Rated Current / Corrente nominale	10 A
Rated Voltage / Tensione nominale	250 VAC
Rated Power Acceptance / Potenza dissipabile	2.5 W

Housing / Corpo isolante

Thermoplastic UL 94 V0

Admissible ambient air temperature / Temperatura ambiente ammissibile

-30 °C to 85 °C

Shocksafe category / Protezione contro le scosse elettriche

PC2

Degree of protection / Grado di protezione

IP40

Contact Resistance / Resistenza di contatto

< 5 mΩ



Rated Current / Corrente Nominale	10 A	Rated Current / Corrente Nominale	20 A
Rated Voltage / Tensione nominale	250 VAC	Rated Voltage / Tensione nominale	250 VAC
Rated Power Acceptance / Potenza dissipabile	2.5 W	Rated Power Acceptance / Potenza dissipabile	—

Standard colour / Colore standard

Black / Nero

Other colours / Altri colori

On demand / A richiesta

Accessories / Accessori

—

Other information / Altri dati

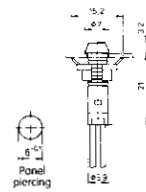
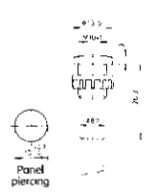
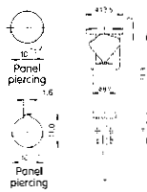
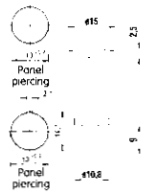
On demand / A richiesta

Standard package / Imballo

Bulk / Scatola 1000 pcs

SEGNALATORI LUMINOSI

SIGNAL LIGHTS

Series	S2450	S5300	S201 (faston) S2850 (cavi)	S09
Voltages 110 V, 230 (250) V, 400 V 6 V, 12 (14) V, 24 (28) V Further versions on request Ambient temperatures 75° C 90° C 120° C 150° C				
Data to be checked for each version				
Panel cut out	Ø 6 mm	Ø 10 mm	Ø 10 mm	Ø 13 mm
Fitting methods	Self locking ring	Serrated ring M 10 x 1 mm	Plastic clips.	Plastic clips.
Panel thickness	—	0.5 - 9.0 mm	0.8 - 2.0 mm	0.8 - 2.0 mm
Connections	 Leads	 4.8 x 0.8 mm  6.3 x 0.8 mm  Signal Click  Crimped	 4.8 x 0.8 mm  6.3 x 0.8 mm  Signal Click  Crimped	 4.8 x 0.8 mm  6.3 x 0.8 mm
Parallel resistor	—	On request	On request	On request
Lens styles Rectangular signal lights see our short list "Rocker switches" and "Push button switches"	24.2   24.0  	31.2  31.0  31.4   Other shapes available	33.2  33.0  33.4   Other shapes available	43.2*  43.0*  43.1*  43.4   Other shapes available
Special features		A separate rubber washer for use between lens and panel is available. LED version available on request.	Further lens styles available. LED version available on request.	*Chrome bezel on request. LED version available on request.
Anti-rotation rib	—	—	On request	—
Dimensions Please consider the different overall lengths between the different connection types	 Tab terminal Signal Click* Signal Click* Leads Panel piercing LED	 Panel piercing	 Panel piercing	 Panel piercing
Approvals	  	  	  	  

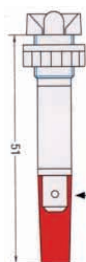
SEGNALATORI LUMINOSI LED

Tipo: LED10



LED LIGHT INDICATORS

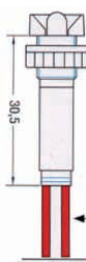
Type: LED10



Lente nera o cromata

Black or chromium plated lens

Supporto faston dello stesso colore della luce emessa dal led
Faston support with the same colour of the emitted light



Lente nera o cromata

Black or chromium plated lens

Cavi dello stesso colore della luce emessa dal led
Wires with the same colour as the emitted light

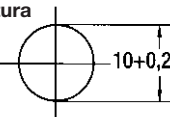
Voltaggio / Voltage		Assorbimento/Consumption
12	VAC-DC	20 mA Max
24/48	VAC-DC	
48	VAC-DC	
110-130	VAC-DC	5 mA Max
230	VAC-DC	3 mA Max
Durata / Life hours 100.000 h		

Forma di foratura

Hole

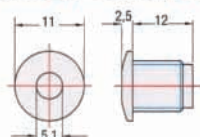
Diametro

Diameter 10

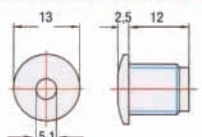


GEMME - LENSES:

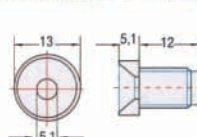
LD/D10/01 ■ LDF/D10/01



LD/D10/02 ■ LDF/D10/02



LD/D10/03 ■ LDF/D10/03



Il segnale può essere usato in AC e DC; in corrente continua non è necessaria la polarizzazione del segnale

The light indicator can be used with AC and DC; with direct current polarization of the light indicator is not necessary

COLORE LUCE EMESSA
LIGHT EMITTED COLOUR



Rosso
Red



Verde
Green



Giallo
Yellow



Blu
Blue

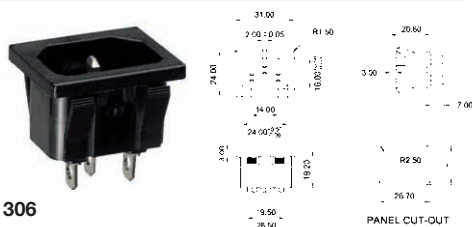


Bianco
White

SPINE E PRESE A VITE O AUTOBLOCCANTI

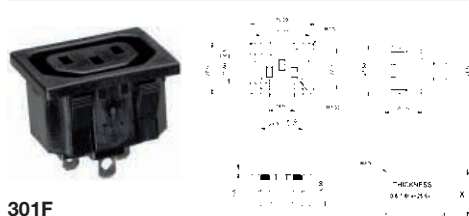
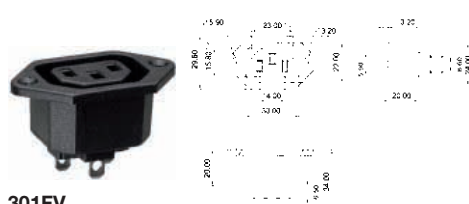
SPECIFICATIONS:

- Rating: 10A 250VAC
- Insulation Resistance: DC 500V 100M Ω (min.)
- Dielectric Strength: 2000 VAC / 1 Minute

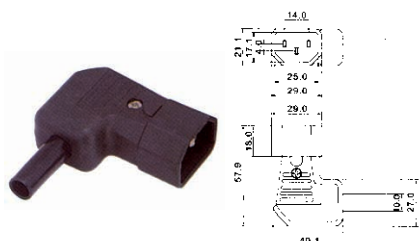
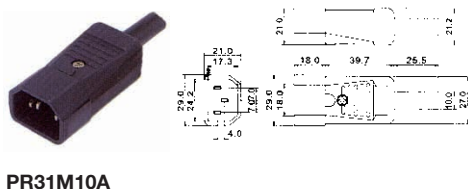


IN-OUTLET SCREW OR SNAP-IN TYPE

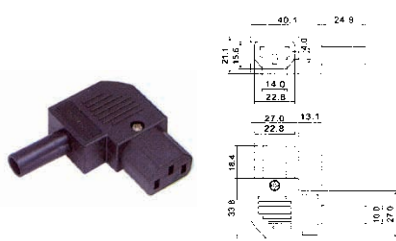
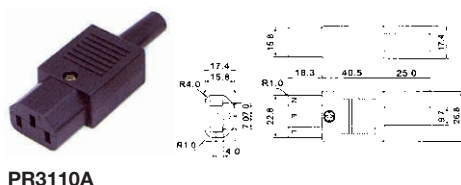
- Housing Material: Nylon # 66 UL 94V-2 or 94V-0
- Safety Approval:
- Panel Thickness: (08) 0.8 m/m, (10) 1.0m/m, (15) 1.5 m/m, (20) 2.0 m/m, (30) 3.0 m/m



SPINE E PRESE VOLANTI 10A 250V



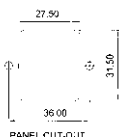
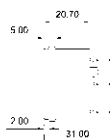
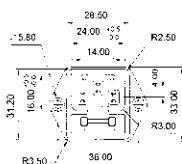
AC PLUGS 10A 250V



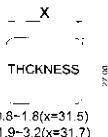
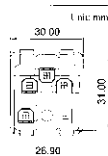
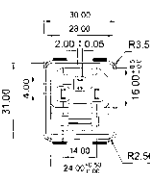
SPINE CON PORTAFUSIBILE

SPECIFICATION

- Rating: 10A 250VAC
- Insulation Resistance: DC 500V 100mΩ (min.)



303V



303SI2MM

COMBINAZIONI CON INTERRUITTORE E PORTAFUSIBILE

IEC FUSED INLET COMBINATION OF SWITCH



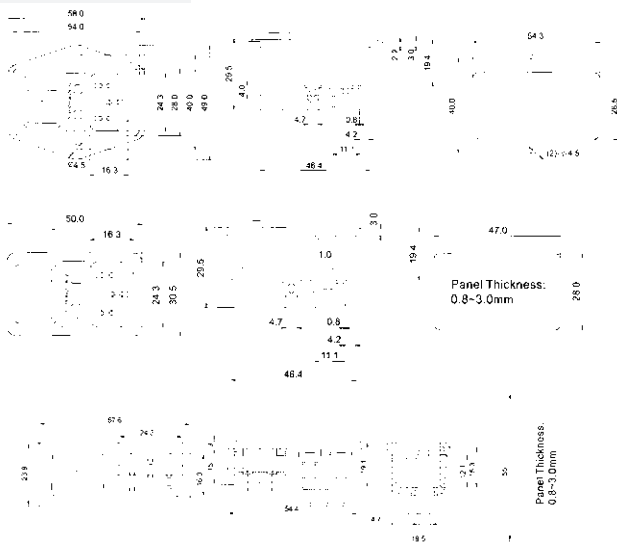
307CNV



307CRA



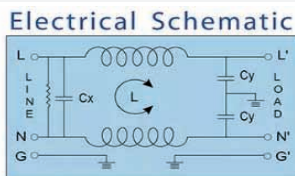
307CNA412



FILTRI RETE EMI Serie SS

Current	Item No.	Case Type	Terminal Type
01 1A	1	S Screw	Q Quick
03 3A	2	P Snap-in	S Solder
06 6A	3		W With Wire
10 10A	4		R Right Angle
20 20A	6		

EMI FILTERS SS Series

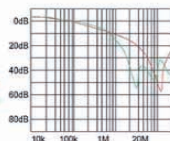


*Insertion Loss

10SS1

Com mode

Dif mode

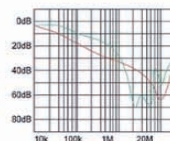


*Insertion Loss

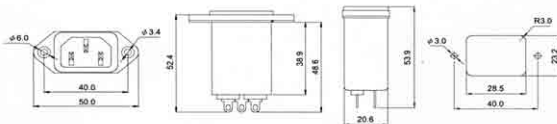
06SS1

Com mode

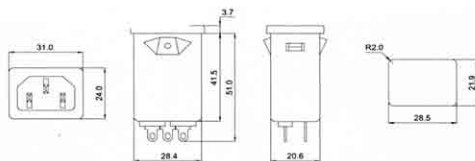
Dif mode



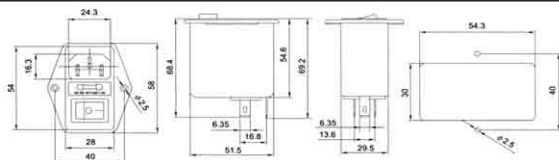
10SS1-S-S



06SS1-P-S



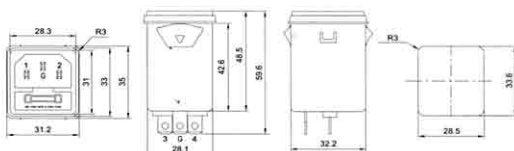
10SS2-S-Q



06SS3-S-Q



06SS3-P-Q



CAVI



ITALIA SPINA PLUG WITH CABLE

- (10A/250V-2P+T)

Spina bipolare piatta in P.V.C., con contatto di terra, indissolubilmente collegata al cavo

Non-rewirable two pole flat plug with round pins and earthing contact.



Art. CAVOIT2MT

SCHUKO SPINA PLUG WITH CABLE

- (10-16A/250V-2P+T+T)

Spina bipolare in P.V.C., indissolubilmente collegata al cavo

Non-rewirable two pole flat plug



Art. CAVOSC2MT



Art. CAVOSC2MTSS



DISPONIBILI VARIE LUNGHEZZE / SPINE

DIFFERENT LENGTHS / PLUGS AVAILABLE



Art. CAVOTERM1MT075

CONNETTORE PER TERMOSTATI THERMOSTAT CONNECTOR

Connettore bipolare per termostati a contatto con uscita del cavo a pipa. Realizzato anche nella versione per alte temperature con cavo in silicone e materiale di rivestimento in materiale termoplastico.

Bipolar connector for contact thermostats with cable exit lugs. Also made in the version for high temperature with silicon cable and in thermoplastic material.

CABLE:

- IMQ (HAR) H03VV-F 2x0,75 (B.M.)
- IMQ (HAR) H03V2V2-F (HT 90°C) 2x0,75
- Silicon (HT 180°C) 2x0,75

CORD:

- H05V2-K (HT 90°C) 1x0,75

MATERIAL OF COVER:

- PVC Plastic Coated
- Thermoplastic elastomer

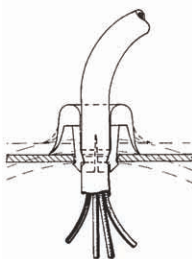
PASSACAVO AUTOBLOCCANTE

Tipo: P1

Passacavo autobloccante in materiale plastico inalterabile nel tempo e dalla forma altamente estetica.

La serie P1 è un passacavo con scarico della trazione che può essere utilizzato in pannelli con profondità da 0.5 a 5.0mm per cavi da 5.0 a 11.0 mm. Prodotti in PA 6.6, sono usati in dispositivi elettrici di classe termica E, nelle loro singole unità e in apparati a connessione permanente, in motori, ecc.

Adatto in particolar modo per superfici arcuate, come ad esempio custodie di statori, ecc.



SELFLOCKING CHOCK

Type: P1

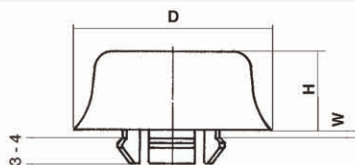
Selflocking chock made of plastic material time resistant.

The P1 clamp is a strain relieving passage clamp which can be pressed into panels of 0.5 - 5.0 mm thickness, clamping range from 5.0 - 11.0 mm, produced of PA 6.6, shall be used inside electrical devices of thermal class E, their individual units and in permanently connected apparatuses, motors, etc...

Especially suited for arched surfaces, e.g. stator housings etc.

- Clamping ranges: 5.0 - 11.0 mm
- For panel thicknesses: 0.5 - 2.5 mm / 2.5 - 5.0 mm
- Material:

(ex stock) PA 6.6 UL94 V2, up to 130°C
(upon request) PA 6.6 UL94 V0, up to 100°C
PA 4.6 UL94 V2, up to 160°C



Size = cable diameter	Cutout dimension Ø X	For panel thickness W	Max D dimension	Max H dimension	Part No.
5	10	0,5 - 2,5	24	10	P1-5
5A	10	2,5 - 5,0	24	10	P1-5A
6	10	0,5 - 2,5	24	10	P1-6
6A	10	2,5 - 5,0	24	10	P1-6A
6,5	10	0,5 - 2,5	24	10	P1-6,5
6,5A	10	2,5 - 5,0	24	10	P1-6,5A
7	10	0,5 - 2,5	24	10	P1-7
7A	10	2,5 - 5,0	24	10	P1-7A
7,5	13	0,5 - 2,5	28	10,5	P1-7,5
7,5A	13	2,5 - 5,0	28	10,5	P1-7,5A
8	13	0,5 - 2,5	28	10,5	P1-8
8,5	13	0,5 - 2,5	28	10,5	P1-8,5
8,5A	13	2,5 - 5,0	28	10,5	P1-8,5A
9	13	0,5 - 2,5	28	10,5	P1-9
9,5	13	0,5 - 2,5	28	10,5	P1-9,5
9,5A	13	2,5 - 5,0	28	10,5	P1-9,5A
10	13	0,5 - 2,5	28	10,5	P1-10
10,5	13	0,5 - 2,5	28	10,5	P1-10,5
11	13	0,5 - 2,5	28	10,5	P1-11

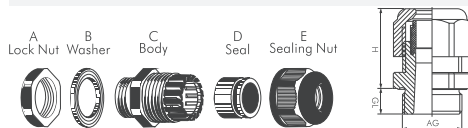
PRESSACAVO

Typo: PG

Material: PA (Nylon), UL 94
Hermetic seal: NBR
Working temperature: -40°C to 100°C in static state
Instantaneous heat resistance up to 120°C
-20°C to 80°C in dynamic state
Instantaneous heat resistance up to 100°C
Colour: Grey, black, other color upon request.

NYLON CABLE GLANDS

Type: PG



RoHS CE IP68 TUV

Model	Ø Cable range (mm)	Thread O.D. AG (mm)	Thread length GL (mm)	Spanner size (mm)
PG7	3-6,5	12,5	8	16
PG7-A	2-5	12,5	8	16
PG9	4-8	15,2	8	19
PG9-A	2-6	15,2	8	19
PG11	5-10	18,6	8	22
PG11-A	3-7	18,6	8	22
PG13,5	6-12	20,4	10	24
PG13,5-A	5-9	20,4	10	24
PG16	10-14	22,5	10	27
PG16-A	7-12	22,5	10	27
PG19	12-16	24	10	27
PG19-A	10-13	24	10	27
PG21	13-18	28,3	10	33
PG21-A	9-16	28,3	10	33
PG25	16-21	30	11	33
PG25-A	9-16	30	10	33
PG29	18-25	39	11	42
PG29-A	13-20	39	11	42
PG36	22-32	48	13	53
PG36-A	20-26	48	13	53
PG42	32-38	49	13	60
PG42-A	25-31	49	13	60
PG48	37-44	49	14	65
PG48-A	29-35	49	14	65
PG63	42-50	71	28	77
PG63A	32-40	71	28	77



MICROINTERRUPTORE Serie MI83161-X / MICRO SWITCH MI83161-X Series

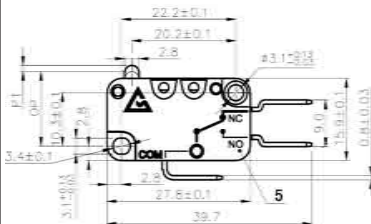
MODEL SPECS NAMING AND MEANING

MS4 ☐ - ☐ ☐ ☐ ☐ ☐ ☐ ☐ - (☐)
1 2 3 4 5 6 7 8

1. Degree of Temperature	No Mark:T125	5. Terminal Types	A: 250 Quick-connect Terminal (6,3x0,8 mm) B: 187 Quick-connect terminal (4,7x0,8 mm) C: 187 Quick-connect terminal (4,7x0,5 mm) D: Solder/187 common terminal F: Solder terminal G: 250 Quick terminal No.2 Y: Not standard terminal
2. Ratings	16: 16(4)A250VAC/16A125VAC 1/2HP 125/250VAC 10: 10(3)A250VAC/10A125VAC		
3. Connect Forms	Z: SPDT (3 terminals) T: SPST-NO (2 terminals) D: SPST-NC (2 terminals)	6. (max) Operating Force	070: 0.7N 100: 1N 150: 1.5N 200: 2N 300: 3N 400: 4N Note: if it is not standard operating force, indicate with the upper limit.
4. Actuator forms	O: No lever A1/1: Short lever 14 mm A2/2: Long lever 51,2 mm A3/3: Middle lever 27 mm A4/4: Short Roller 13,8 mm A5/5: Long Roller 27,3 mm A6/6: Arc lever 27 mm A ☐ ☐ Not standard lever Note: 1) A indicate the lever near to the plunger, no A indicate the lever far away from the plunger. 2) If lever is side mounted, add letter "B" after the lever code. 3) ☐ Indicate not standard lever		
		7 Plunger specs	No mark: Standard Plunger A: Middle Plunger B: Long Plunger C: Abnormality Plunger(see diagram)



MI83161-X (MS416Z0A100)



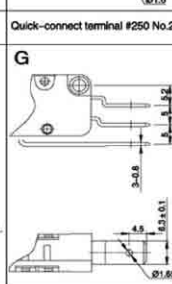
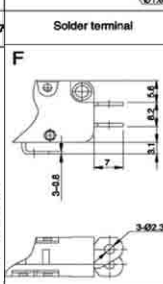
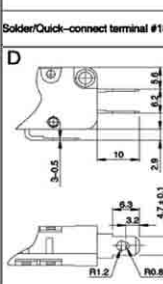
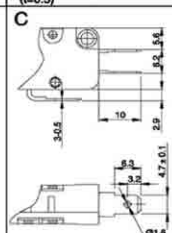
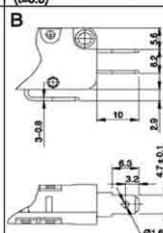
2.Safety authentication

Approvals		
Standard	Marks	Rating
GB15092.1-2010		16(4)A 250VAC 1E4 #T125
EN 61058-1 (IEC 61058-1)		16(4)A 250VAC 1E4 #T125
UL 1054		16A 125VAC 1E4 1/2HP 250VAC 6E3 1/2HP 125VAC 6E3

Specification

Item	Value
Operating Speed	0.1mm~1m/s(Related with actuator forms)
Operating Frequency	Mechanical 60 cycles/min; Electrical 30 cycles/min
Insulation Resistance	100 MΩ (500VDC)
Contact resistance	<=30m Ω (Initial value)
Test Voltage	Between terminals of the same polarity
	AC1000V,50/60Hz,1min
Vibration resistance	Between current-carrying metal And ground(case),and between Each terminal and non-carrying metal parts
	AC2000V,50/60Hz,1min
Vibration resistance	10-55Hz,1.5mm Double amplitude
Shock Resistance	Destruction : OF>0.5N:1000m/s ² (approx.100G)/max OF<=0.5N:500m/s ² (approx.50G)/max Malfunction: OF>0.5N:300m/s ² (approx.30G)/max OF<=0.5N:200m/s ² (approx.20G)/max
Life Expectancy	Mechanical=5000000 cycles Electrical=500000 cycles
Degree of protection	IEC IP40
Degree of protection against electric shock	Class I
PTI (Tracking Resistance)	175
Ambient air temperature	125°C 60%RH below(No ice and dew)
Ambient air humidity	85% RH below(about +5~+35°C)
Weight	Approx.5.95g(No lever)

Quick-connect terminal #250	Quick-connect terminal #187 (t=0.8)	Quick-connect terminal #187 (t=0.5)
A	B	C
D	F	G
Solder/Quick-connect terminal #187	Solder terminal	Quick-connect terminal #250 No.2



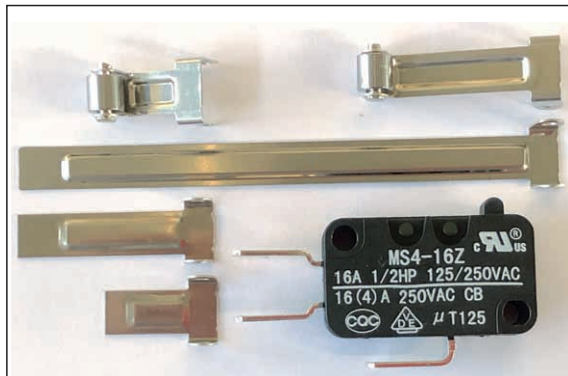
MICROINTERRUTTORE Serie MI83161-X / MICRO SWITCH MI83161-X Series

MI83161KIT-X

Kit microinterruttore con faston 6,3mm e 5 leve P,Q,R,S e 73

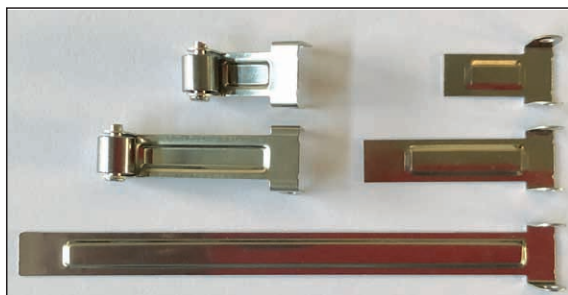
MI83161KIT-X

6,3mm terminals microswitch kit with 5 levers P,Q,R,S and 73

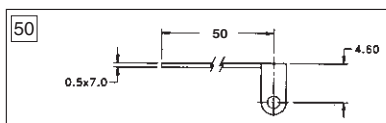
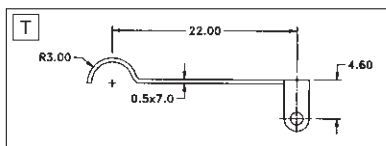


KITLEV-X Kit di 5 leve: P,Q,R,S e 73

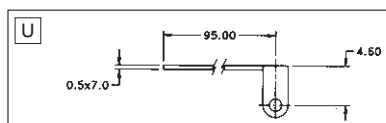
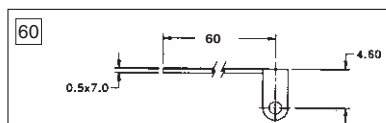
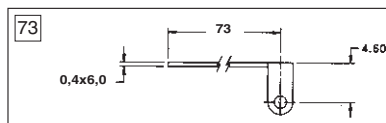
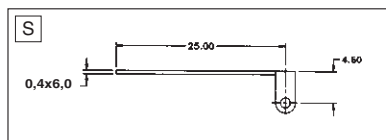
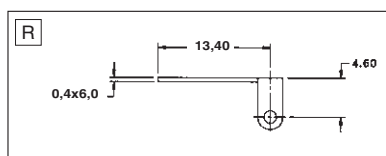
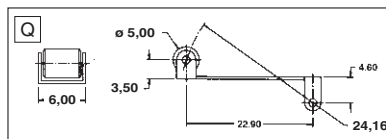
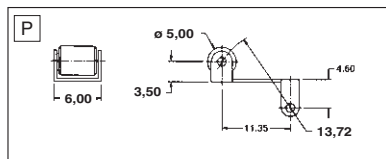
KITLEV-X 5 levers kit: P,Q,R,S and 73



ALTRE LEVE / OTHER LEVERS

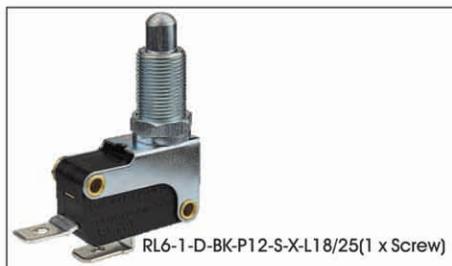


KIT LEVE / LEVERS KIT



MICROINTERRUTTORE A PULSANTE

Tipo: MI385METC



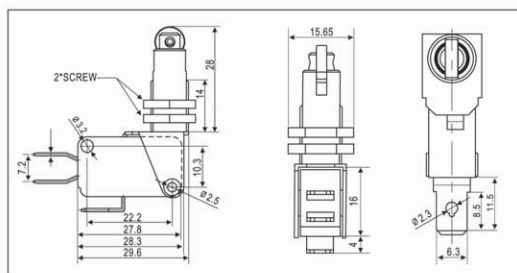
RL6-1-D-BK-P12-S-X-L18/25(1 x Screw)

PUSH BUTTON MICRO SWITCH

Type: MI385METC



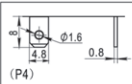
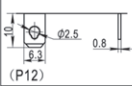
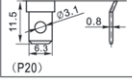
RL6-1-F-BK-P12-R-N-L14/28(2 x Screw)
-WITH-ROLLER



21(8)A 250V T85 1E4
16(4)A 250V T125 1E4
16(4)A 250V T85 25E3
16A 125V/250VAC T105

(G)Rating :
6(4)A 250VAC T125 5E4
6A 125V/250VAC T105
6A 125VAC 1E4

RL6-1 - D - BK - P12 - S - X - L18/25(1xSCREW)

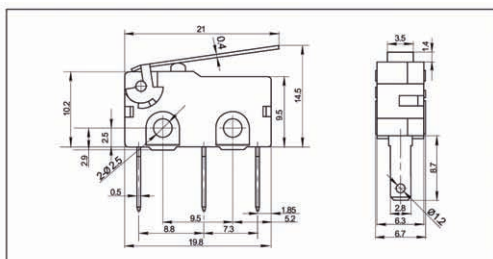
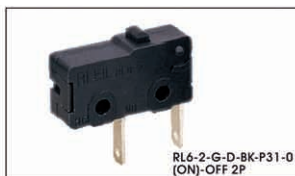
Function	Cap Color/Housing	Terminal	Operating Force	Length size
D [ON]-OFF 2P	BK Black		K 60±15 gf	L12/19
E ON-(OFF) 2P	WT White		L 100±20 gf	L14/22
F [ON]-ON 3P	GE Grey		M 150±30 gf	L14/22
			N 250±40 gf	L15/21.5
			X 300±50 gf	L15/25
			Y 400±50 gf	L16/23
			Z 500±50 gf	L18/20.5
				L18/25
				L25/31

MINI MICROINTERRUTTORE

Tipo: RL6-2

MINI MICRO SWITCH

Type: RL6-2



(G): 6A 125/250VAC
6A 250VAC T85
(H): 10A 125VAC
10A 250VAC T85

RL 6-2 - G - D - BK - P31 - O - K

Rating

G	6A 125/250VAC
	6A 250VAC
H	10A 125VAC
	10A 250VAC

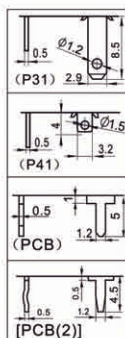
Function

D	(ON)-OFF 2P
E	ON-(OFF) 2P
F	(ON)-ON 3P

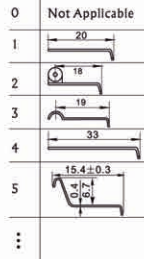
Cap Color/Housing

BK	Black
WT	White
GE	Grey

Terminal



Lever Type



Operating Force

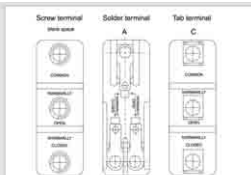
K	60±15 gf
M	150±30 gf
N	250±50 gf

MICRO SWITCH CM Series



Features

- Various of actuators, action position is adjustable
- High switch on and off capacity(15A)
- High accuracy
- Wide range of operation speed
- Each type of CM series has solder terminal, screw terminal and tab terminal are selective
- Add A for tab terminal, add C for tab terminal, blank for screw terminal



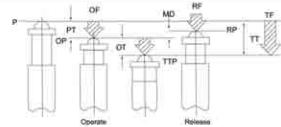
Characteristics

Operation speed	0.31mm-1mm/sec
Operating frequency	Mechanical: 240 operations/min. Electrical: 20 operations/min.
Contact resistance	15mΩ max. (initial value)
Insulation resistance	100mΩ min. (at 500VDC)
Dielectric strength	1000VAC, 50/60 Hz for 1 minute between terminals of the same polarity
	1000VAC, 50/60 Hz for 1 minute between current-carrying and non-current-carrying metal parts
	1500VAC, 50/60 Hz for 1 minute between each terminal and ground
Vibration	10-55Hz, 1.5mm double amplitude
Shock	Mechanical durability: 1,000x(Sei) (about 1000S)
	Malfunction: 300x(Sei) (about 300S)
Ambient temperature	General purpose type: -25°C to +85°C (With no xing), Sealed type: -15°C to +60°C (With no xing)
Humidity	General purpose type: 85% RH max., Sealed type: 95% RH max.
Life	Mechanical: 20,000,000 operations/min
	Electrical: 500,000 operations/min
Weight	About 22 to 50g

Ratings

Rated voltage	Noninductive Load (A)				Inductive Load (A)				Inrush Current	
	Resistance Load		Lamp Load		Inductive Load		Motor Load			
	NC	NO	NC	NO	NC	NO	NC	NO	NC	NO
125VAC	15	3	1.5		15	5	2.5		30 以下 max.	15 以下 max.
250VAC	15	2.5	1.25		15	3	1.5			
500VAC	3	1.5	0.75		2.5	1.5	0.75			
8VDC	15	3	1.5		15	5	2.5			
14VDC	15	3	1.5		10	5	2.5			
30VDC	6(2)	3	1.5		5	5	2.5			
125VDC	0.4	0.4	0.4		0.05	0.05	0.05			
250VDC	0.2	0.2	0.2		0.03	0.03	0.03			

Operating Characteristics



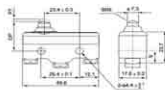
OF: Operating Force
RF: Releasing Force
TP: Total Force
FP: Free Position
OP: Operating Position
RP: Releasing Position
TTP: Total Travel Position
PT: Pre Travel
OT: Over Travel
MD: Movement Different
TT: Total Travel



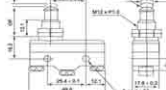
Operating Characteristics

Models	CM1306	CM1307	CM1308	CM1309	CM1705	CM1743
OF(Max.)	350g	350g	350g	350g	10g	160g
RF(Min.)	114g	114g	114g	114g	3g	42g
PT(Max.)	0.4mm	0.4mm	0.4mm	0.4mm	20mm	2.7mm
OT(Min.)	1.6mm	5.5mm	3.58mm	3.58mm	5.6mm	2.4mm
MD(Max.)	0.05mm	0.05mm	0.05mm	0.05mm	3mm	0.5mm
FP(Max.)						43.6mm
OP(mm)	21.5 ± 0.5	21.8 ± 0.8	33.4 ± 1.2	33.4 ± 1.2	19 ± 0.8	43.1 ± 0.8

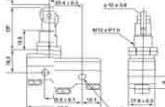
CM-1306



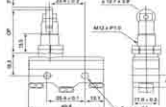
CM-1307



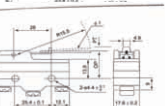
CM-1308X



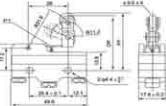
CM-1309



CM-1705



CM-1743

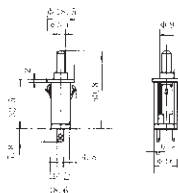


INTERRUTTORI PORTA FRIGO



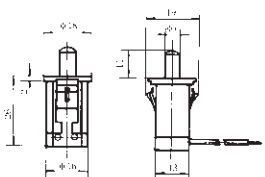
Door lamp switches

KAN2-1 0.5A 250V~



Door lamp switches

KAN2-3 0.5A 250V~

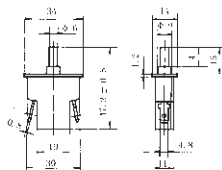


DOOR LAMP SWITCHES



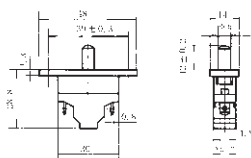
Door lamp switches

KAN2-2 0.5A 250V~



Door lamp switches

KAN2-4 0.5A 250V~



PULSANTE RL52

RL52 PUSH SWITCH



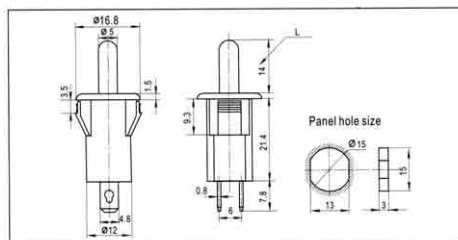
Specification:

(H): 16A 125VAC T105

10A 250VAC

(G): 10A 125VAC T85

6A 250VAC



RL5-2 - G - BK - P8 - L1 - L

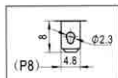
Rating

G	10A 125VAC 6A 250VAC
H	16A 125VAC 10A 250VAC

Cap Color/Housing

BK	Black
WT	White

Terminal



Push Length

L1	10mm
L2	12mm
L3	14mm
L4	16mm

Operating Force

L	100±30gf
N	250±50gf
Y	500±100gf

