

ID1 – ID2

Cylindrical Handles Series Id1 & Id2

ID1 and ID2 series cylindrical handles can be supplied either loosen or fitted on our electric and hydraulic joysticks or mounted on the control rods of our directional control valves.

They are a valid alternative to the ergonomic grip' series IE1 when compact dimensions and lower cost are required. ID2 handles can be configured with up to a maximum of 5 push buttons switches or combination of 2 push buttons and 1 three positions rocker switch.



The body of the handle is made of black thermoplastic material which is suitable for a wide ambient temperature excursion, it has a good resistance against UV rays and it is compatible with hydraulic mineral oils.

ID2 handles are fitted with waterproof micro-switches rated for a max current of 5 A resistive (3 A inductive) and max. voltage of 28 VDC, standard IP64 protection class or IP68 on request. These push buttons are provided with stiff easy serviceable caps that are available in a choice of 9 different colours and in 2 height sizes to optimize operator's tactile feeling and ergonomics for a variety of application.

Technical features:

Handle:

- | | |
|--|---------------------------|
| • Body material: | Nylon® |
| • Resistance against UV rays: | Good |
| • Resistance against hydraulic mineral oils: | Good |
| • Protection class: | IP 54 |
| • Ambient temperature range: | from -20° up to + 60°C |
| • Mounting adaptors & rods material: | Zinc plated steel & brass |

Micro-switches:

- | | |
|------------------------------|--|
| • Max. electric load: | 5 A resistive, 3 A inductive |
| • Supply voltage: | From 5 up to 28 VDC |
| • Electrical life: | 25.000 cycles @ max. load up to
1.000.000 cycles at 1A resistive load |
| • Mechanical life: | 1.000.000 cycles |
| • Protection class: | IP 64 (IP 68 on request) |
| • Working temperature range: | from - 55° up to + 85°C |
| • Working stroke: | 2 mm max. |
| • Control force: | 75,0±20 N |



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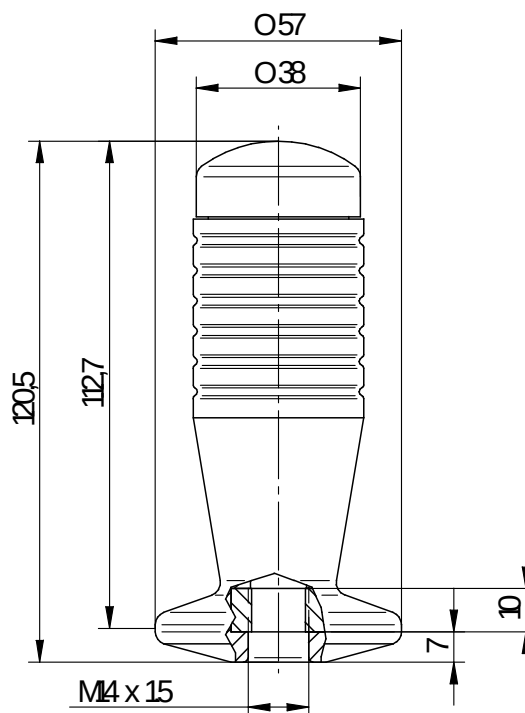
- Contacts material:
- Approvals:

Golden plated silver alloy
CE, CSA, UL, VDE

C. Cables:

- Materials of the conductors:	Tinned copper
- Materials exterior insulation:	Silicone or PVC
- Material of the guide-wire braid:	Polyester fiber
- Wire cross-section :	0,50 mm ²
- Lay Conductors:	Classe 6 VDE 0295
- Approvals:	UL - CSA - HAR
- standard Length:	500 mm (ather sizes on request)

3. Dimensions:

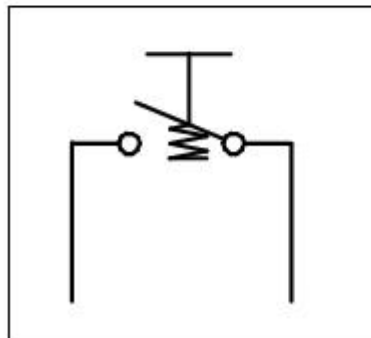


ID1 senza without shank and without button

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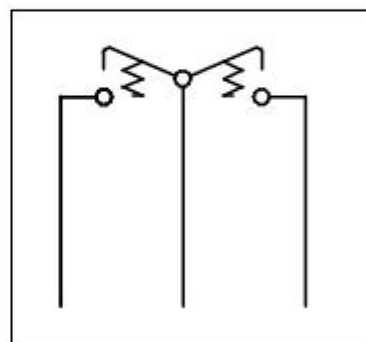
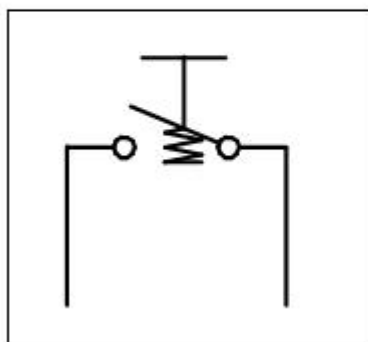
4.1 Configurations and wiring diagrams ID1:



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4.2 Configurations and wiring diagrams ID1:



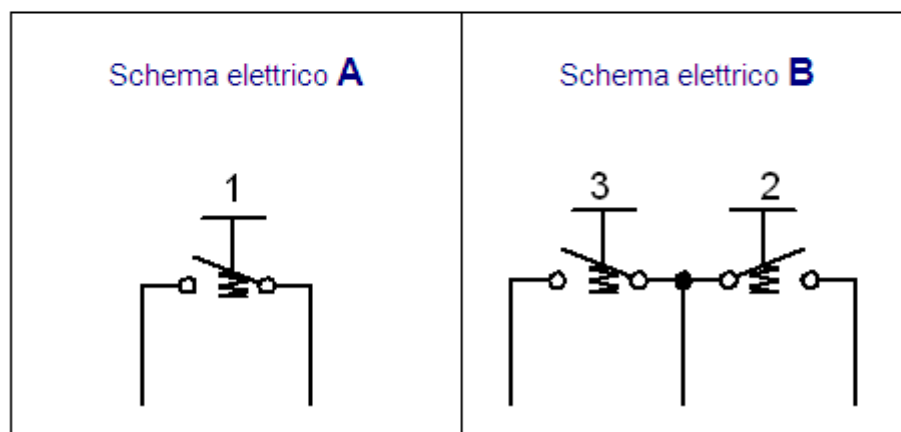
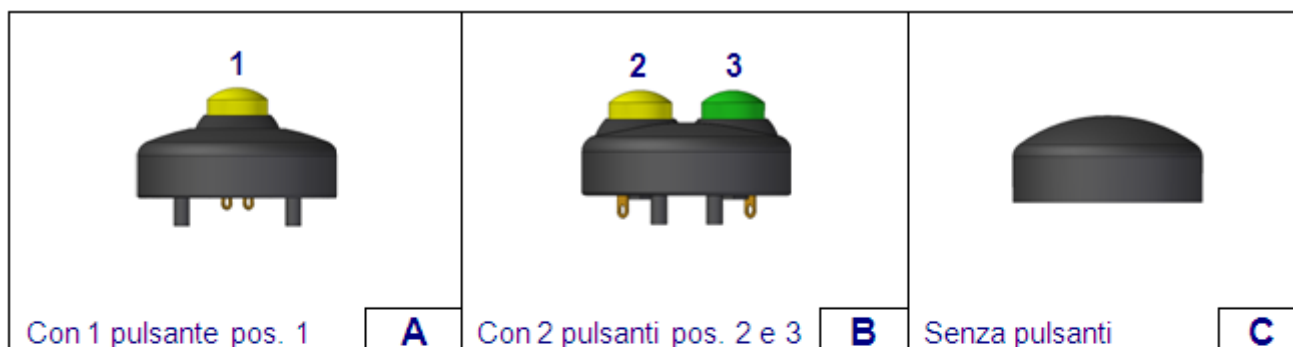
The configuration C include a safety device to inhibit the activation accidental button

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5. Configurations and wiring diagrams up side ID2:

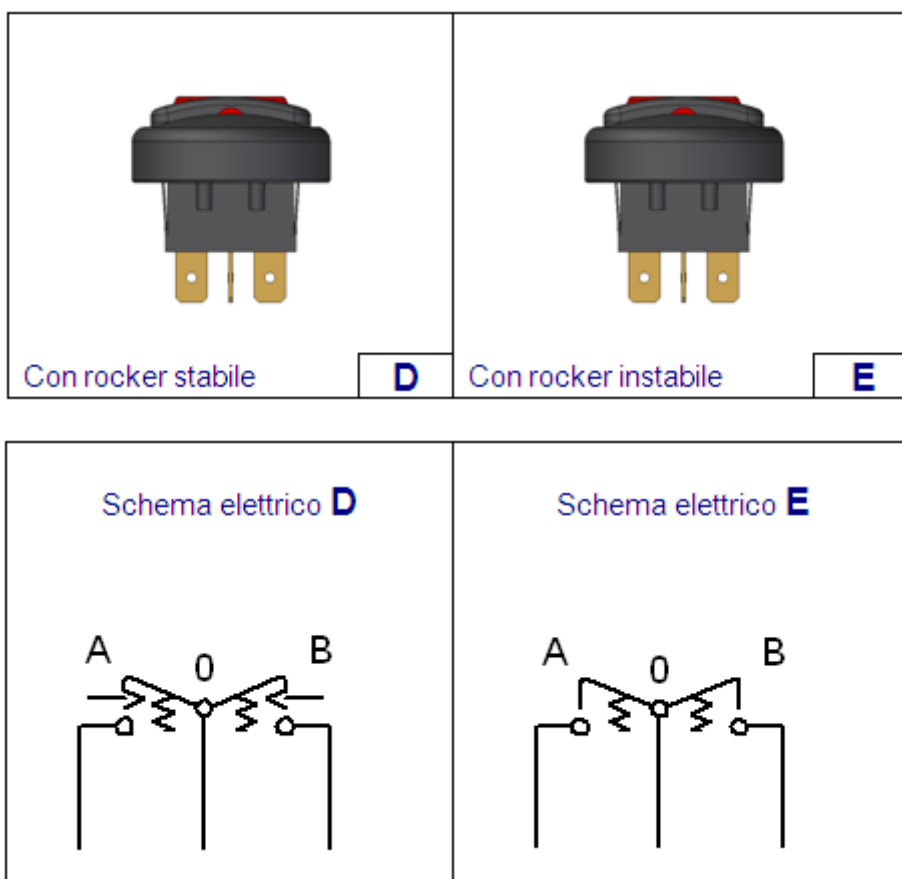
5.1 Buttons "on-off" 2 position open circuit N.O.



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5.2 Rocker "on-off-on" a 3 position open circuit N.O.



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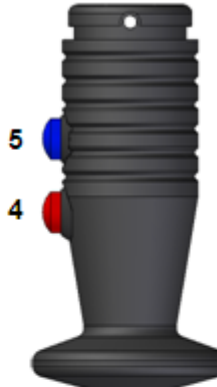
5. Configurations and wiring diagrams lateral side ID2:

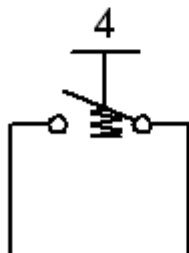
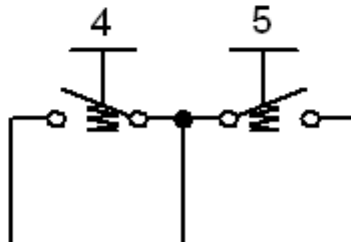
5.1 Buttons "on-off" 2 position open circuit N.O.



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Corpo impugnatura con 1 pulsante in pos. 4	Corpo impugnatura con 2 pulsanti in pos. 4 e 5	Corpo impugnatura senza pulsanti
1	2	3

Schema elettrico 1 	Schema elettrico 2 
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6. Buttons color "on-off":

ID1 - ID2

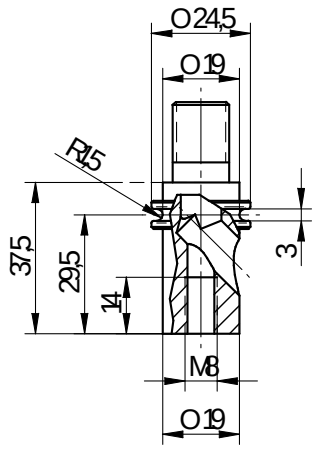
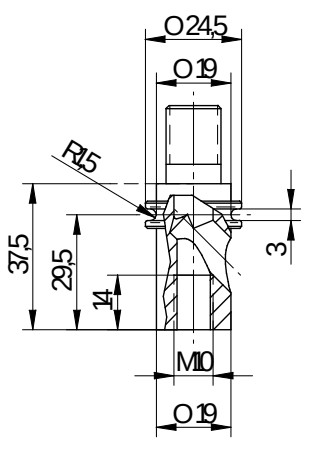
Cylindrical Hadles Series Id1 & Id2

Arancio	O		Giallo	Y		Rosso	R	
Bianco	W		Grigio	H		Verde	G	
Blu	B		Nero	N		Viola	V	

5.Shanks and mounting rails:

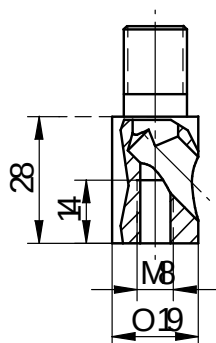
Without external shank , with M14 female threaded

Z1

 M8-F con collare per soffietto	C1	 M10-F con collare per soffietto	C2
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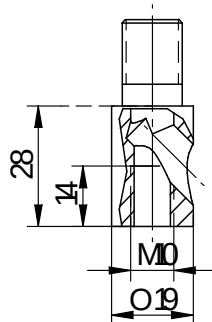
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Cylindrical Hadles Series Id1 & Id2



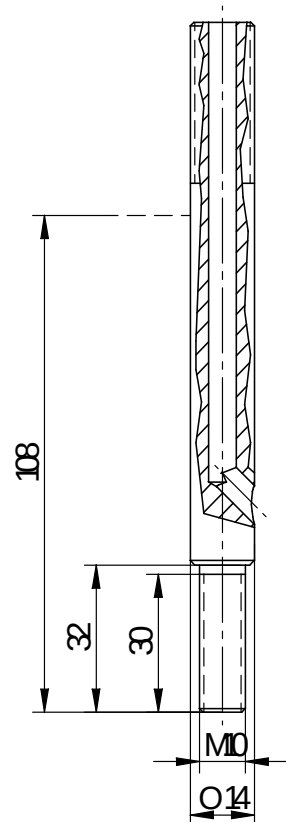
M8-F senza collare
per soffietto

C3



M10-F senza collare
per soffietto

C4



Leva diritta
M10 M x L=150

L1

Shanks and special auctions are available on request.

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6.1 Wire Configuration:

Without cable	Z
Sigle cable from 0,50 mm ² , High flexibility	G
Special cable to request	R
Multicore Cable from 0,50 mm ² , a 2 o 3 wires	S

6.2 Cable length:

Without cable	00
Standard length , in cm from the base of the handle	50
Length request	XX

6.3 Terminal cables:

Without cable	Z
Terminal with stripping 5mm , not tinned	N
Terminal with stripping 5mm , notinned	S
Cable with connector (specify make and model)	C

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7. Protection bellows:

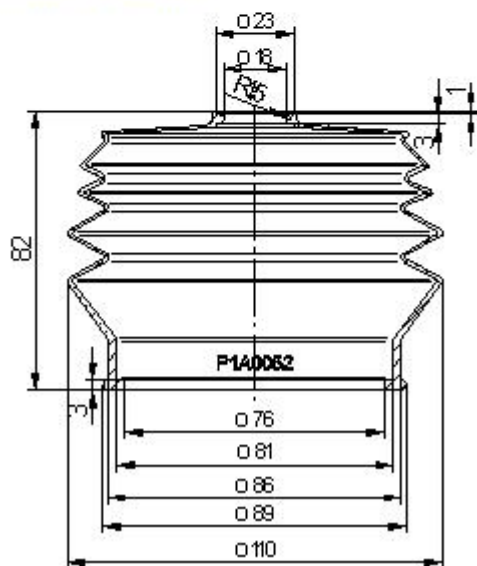
Without protection bellows

Z



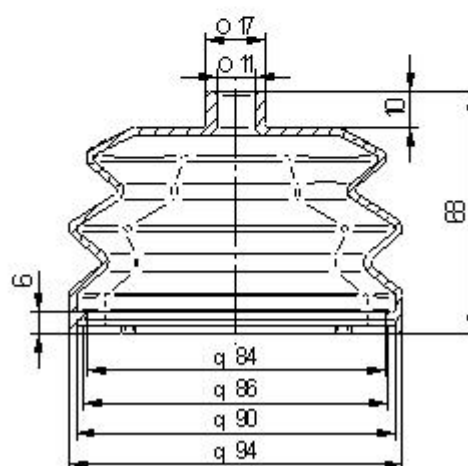
Con soffietto di protezione
rotondo in gomma

R



Con soffietto di protezione
Quadrato in gomma

Q



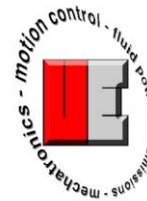


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F	ID1	OP	-	B	0000	UP	00	G05	Q
PRODOTTO FINITO	IDENTIFICAZIONE MODELLO : ID1 - ID2 - IEM- JE	N° PULSANTI: PER LA SERIE ID SONO SOLO FINO A 5PULSANTI, PER LA SERIE IEM 12		TIPO DEL PULSANTE: A= ALTO B= BASSO C= ALTO E BASSO	CODICE COLORE PULSANTI: GUARDARE TABELLA CODICI EXEL	UOMO PRESENTE	TIPO DI CODOLO: CODIFICA TABELLA	TIPO CAVO E LUNGHEZZA: G=GUAINATO S= NORMALE	MODELLO DEL SOFFIETTO





Unify Electronic
Design and Engineering
Electronic Equipment

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The company assumes no responsibility for any errors that may be present in this document and also reserves the right to change the descriptions and data without notice.



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