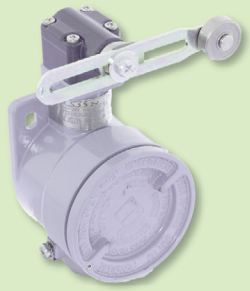
LIMIT SWITCHES

series **PS**

Protection		Zone			
Gas	1-2	II2G	Ex db IIC T6÷T5 Gb
Dusts	21-22	II2D	Ex tb IIIC T85°C÷T100°C Db

Degree of Protection	
	IP66/67

Amb. Temp.				
Standard	-20°C	+40°C
Extended	-50°C	+80°C



Entries Threading	
	NPT ANSI B1.20

Material	
	Aluminum light alloy

Painting	
	External epoxy RAL7000

Standards and Certificates	
	Directive 2014/34/EU (ATEX)
	EN 60079-0 • EN 60079-1 EN 60079-31
CE	BVI 13 ATEX 0083
IECEx	IEC 60079-0 • IEC 60079-1 IEC 60079-31
	IECEx EPS 13.0033

- Compact and lightweight (450 g) design with ideal features for use in dangerous process and hazardous environments.
- Wide range of actuators in metal or in self-estinguishing glass-fiber-reinforced polymer (GFRP).
- Wide variety of options for adaptation and assembly.
- Internal operating rod in Stainless Steel AISI 303 on a brass bushing OT 58 UNI 5705/65.
- External screws in Stainless Steel except for actuators that may have components in tropicalized steel.

Options

- Stainless Steel version (see page I19).
- Quick snap-action contact units 2NC (C11) with positive opening ⊖.
- Cable entry with metric thread M20x1.5 (M).
- Rollers in Metal.
- Different diameters rollers.
- Actuators with some metal parts in Stainless Steel.

Degree of pollution: 3 conforming to IEC/EN 60947-5-1 Standards.
Frequency of operations: 20/min (*) max
Number of cycles: 8÷10 millions
Storage Temperature: -40°C ÷ +70°C

Contact Unit

Nominal current (active): I: 10 A
Insulating Voltage: U_i: 500 Vac / 600 Vdc [°]
Impulse Withstand Voltage: U_{imp}: 6 kV
Short Circuit Current : 1000 AV
Short Circuit Protection: Fuse 10 A 500 V
Minimum conductor section : 1.5 mm²
Max Current Density : 5 A/mm²

	AC15 - A600			DC13 - Q600		
U_e (V)	240	400	500	24	125	250
I_e (A)	6	4	1	3	0.55	0.3

Electrical Diagram

Type	Contact	Diagram	Operating
C2	1NO+1NC 1NO+1NC	13 21 43 31 / 14 22 44 32	Snap action
C5	1NO+1NC	13 21 / 14 22	Snap action
C6	1NO+1NC	13 21 / 14 22	Slow action
C7	1NO+1NC	13 21 / 14 22	Overlapping slow action
C9	2NO	11 21 / 12 22	Slow action
C10	2NO	13 23 / 14 24	Slow action
C11	2NC	11 21 / 12 22	Snap action
C14	2NC	11 21 / 12 22	Slow action
C15	2NO	13 23 / 14 24	Slow action
C20	1NO+2NC	11 21 33 / 12 22 34	Slow action

Contacts identification (by numbers) in compliance with IEC/EN 60947-1 Standards
All types (except C2) allow different voltages at the contacts terminals.
For type C2 the contacts 13-14 and 21-22 are electrically separated from contacts 31-32 and 43-44.

Positive opening of contacts ⊖ (**) for some models available in compliance with IEC/EN 60947-5-1 e CEI 17-45 - F. 1914 Standards.

NOTES

To read the installation and maintenance instructions is reccommended.

The temperature class T6/T85°C considers an Ambient Temperature (A.T.) extended up to +60°C, whereas, class T5/T100°C considers an A.T. extended up to +80°C.

[°] The insulating voltage is equal to 400 VAC / 500 VDC for C2 and C11 contacts.

(*) For A.T. up to +40°C the max surface temperature is 65°C reducing the number of operations to 600/h.

(**) As safety switches only those with ⊖ symbol shall be used.

The safety circuit must always be connected to NC contacts (11-12 or 21-22). Exceed by 1.5 mm (25°) the gap between the contacts. Operate the switch with the indicated opening force.

D

Swivel heads

All switches allow to rotate the head by 90° x90° by unscrewing the four fixing screws (fig. 1).

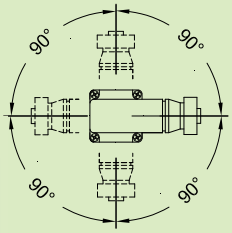


Fig. 1

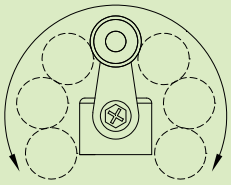


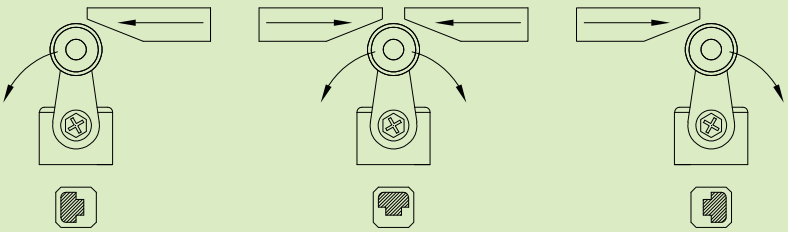
Fig. 2

Adjustable levers

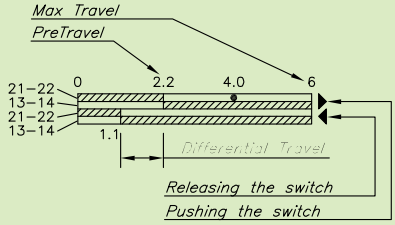
Position switches with roller lever have the lever adjustable by 10° x 10° (fig. 2). The positive movement transmission is always ensured by the particular geometric coupling between the lever and the shaft.

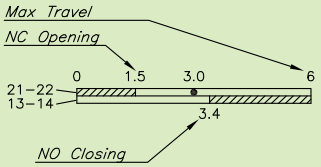
Unidirectional heads

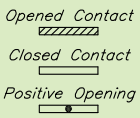
To get the unidirectional operation on switches with revolving lever it is necessary to remove the four screws of the head and totate the internal piston.



Stroke Diagrams







Example: PS 511N

Order coding

Type	Contact Unit	Actuator	Threading
PS	**C5**	**11**	**N =** NPT (N) **M =** metric (M)

Series PS : AVAILABLE MODELS

✱ I PRODOTTI CONTRASSEGNATI SONO NORMALMENTE DISPONIBILI A MAGAZZINO
The marked products are normally available to store

A PERNO
With push button

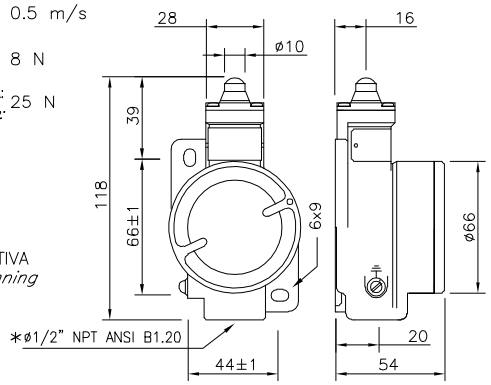
VELOCITA' MASSIMA: *Max speed* 0.5 m/s

FORZA MIN. DI AZIONAMENTO: *Min. force actuation:* 8 N

FORZA MIN. PER APERTURA POSITIVA: *Min. force positive opening operation:* 25 N

LEGENDA
Legenda

- APERTURA POSITIVA *Positive opening*
- INIZIO APERTURA POSITIVA *Positive opening beginning*
- PREMENDO *Pushing*
- RILASCIANDO *Releasing*



UNITA' DI CONTATTO *Contact blocks*	N°CATALOGO *Catalogue n°*	DIAGRAMMI CORSE *Travel diagrams*
C2 — 1NO.1NC+ 1NO.1NC	PS 20IN	13–14, 21–22, 43–44, 31–32 — 0, 1.3, 6 — 0.7
C5 — 1NO+1NC	PS 50IN	21–22, 13–14, 21–22, 13–14 — 0, 2.2, 4.0, 6 — 1.1
C6 — 1NO+1NC	PS 60IN	21–22, 13–14 — 0, 1.5, 3.0, 6 — 3.4
C7 — 1NO+1NC	PS 70IN	21–22, 13–14 — 0, 3.1, 4.6, 6 — 1.6
C9 — 2NC	PS 90IN	11–12, 21–22 — 0, 2.9, 4.4, 6
C10 — 2NO	PS 100IN	13–14, 23–24 — 0, 1.4, 6
C14 — 2NC	PS 140IN	11–12, 21–22 — 0, 3.0, 4.5, 6 — 1.4
C15 — 2NO	PS 150IN	13–14, 23–24 — 0, 3.0, 6 — 1.4
C20 — 1NO+2NC	PS 200IN	13–14, 21–22, 33–34 — 0, 1.5, 3.0, 6 — 2.0

✱IN ALTERNATIVA: *Alternative:* M20x1.5 ISO 262

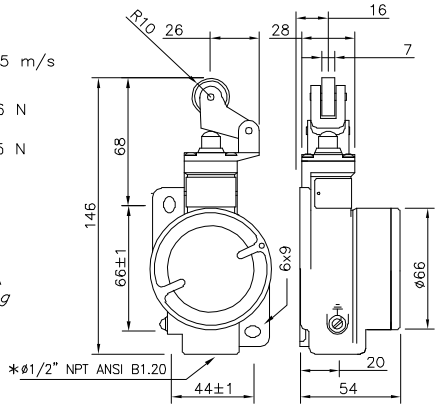
✱ I PRODOTTI CONTRASSEGNATI SONO NORMALMENTE DISPONIBILI A MAGAZZINO
The marked products are normally available to store

UNITA' DI CONTATTO *Contact blocks*	N°CATALOGO *Catalogue n°*	DIAGRAMMI CORSE *Travel diagrams*

A LEVA SEMPLICE CON ROTELLA
With simple roller lever

VELOCITA' MASSIMA: CON CAMMA A 30° 0.5 m/s
Max speed with 30° cam:
FORZA MIN. DI AZIONAMENTO: 6 N
Min. force actuation:
FORZA MIN. PER APERTURA POSITIVA: 25 N
Min. force positive opening operation:

LEGENDA
Legenda
- APERTURA POSITIVA *Positive opening*
- INIZIO APERTURA POSITIVA *Positive opening beginning*
- PREMENDO *Pushing*
- RILASCIANDO *Releasing*

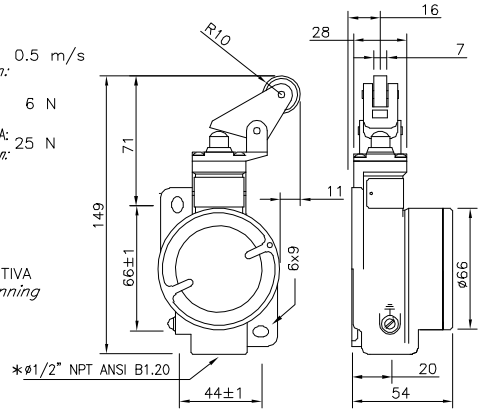


C2 1NO.1NC+ 1NO.1NC	PS 202N	
C5 1NO+1NC	PS 502N	
C6 1NO+1NC	PS 602N	
C7 1NO+1NC	PS 702N	
C9 2NC	PS 902N	
C10 2NO	PS 1002N	
C14 2NC	PS 1402N	
C15 2NO	PS 1502N	
C20 1NO+2NC	PS 2002N	

A LEVA ANGOLARE CON ROTELLA
With angular roller lever

VELOCITA' MASSIMA: CON CAMMA A 30° 0.5 m/s
Max speed with 30° cam:
FORZA MIN. DI AZIONAMENTO: 6 N
Min. force actuation:
FORZA MIN. PER APERTURA POSITIVA: 25 N
Min. force positive opening operation:

LEGENDA
Legenda
- APERTURA POSITIVA *Positive opening*
- INIZIO APERTURA POSITIVA *Positive opening beginning*
- PREMENDO *Pushing*
- RILASCIANDO *Releasing*

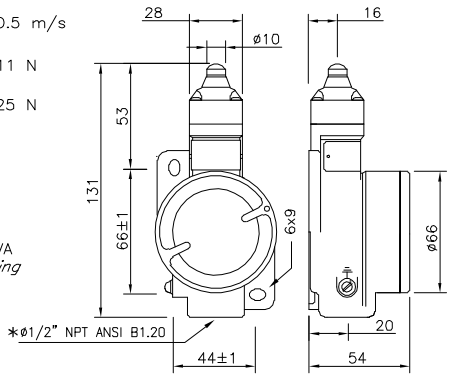


C2 1NO.1NC+ 1NO.1NC	PS 205N	
C5 1NO+1NC	PS 505N	
C6 1NO+1NC	PS 605N	
C7 1NO+1NC	PS 705N	
C9 2NC	PS 905N	
C10 2NO	PS 1005N	
C14 2NC	PS 1405N	
C15 2NO	PS 1505N	
C20 1NO+2NC	PS 2005N	

A PERNO CON PROTEZIONE IN GOMMA
With rubber gasket push button

VELOCITA' MASSIMA: 0.5 m/s
Max speed
FORZA MIN. DI AZIONAMENTO: 11 N
Min. force actuation:
FORZA MIN. PER APERTURA POSITIVA: 25 N
Min. force positive opening operation:

LEGENDA
Legenda
- APERTURA POSITIVA *Positive opening*
- INIZIO APERTURA POSITIVA *Positive opening beginning*
- PREMENDO *Pushing*
- RILASCIANDO *Releasing*

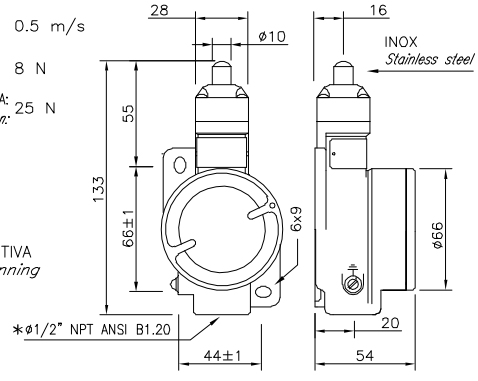


C2 1NO.1NC+ 1NO.1NC	PS 210N	
C5 1NO+1NC	PS 510N	
C6 1NO+1NC	PS 610N	
C7 1NO+1NC	PS 710N	
C9 2NC	PS 910N	
C10 2NO	PS 1010N	
C14 2NC	PS 1410N	
C15 2NO	PS 1510N	
C20 1NO+2NC	PS 2010N	

A PERNO ALLUNGATO
With lenghtened push button

VELOCITA' MASSIMA: 0.5 m/s
Max speed
FORZA MIN. DI AZIONAMENTO: 8 N
Min. force actuation:
FORZA MIN. PER APERTURA POSITIVA: 25 N
Min. force positive opening operation:

LEGENDA
Legenda
- APERTURA POSITIVA *Positive opening*
- INIZIO APERTURA POSITIVA *Positive opening beginning*
- PREMENDO *Pushing*
- RILASCIANDO *Releasing*



C2 1NO.1NC+ 1NO.1NC	PS 211N ✱	
C5 1NO+1NC	PS 511N ✱	
C6 1NO+1NC	PS 611N ✱	
C7 1NO+1NC	PS 711N	
C9 2NC	PS 911N	
C10 2NO	PS 1011N	
C14 2NC	PS 1411N	
C15 2NO	PS 1511N	
C20 1NO+2NC	PS 2011N	

✱IN ALTERNATIVA: M20x1.5 ISO 262
Alternative:

D

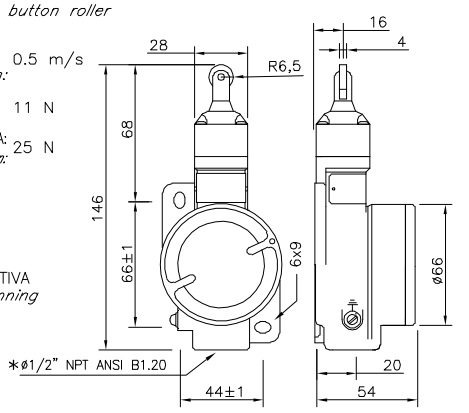
✸ I PRODOTTI CONTRASSEGNATI SONO NORMALMENTE DISPONIBILI A MAGAZZINO
The marked products are normally available to store

UNITA' DI CONTATTO *Contact blocks*	N°CATALOGO *Catalogue n°*	DIAGRAMMI CORSE *Travel diagrams*

A PERNO CON ROTELLA E PROTEZIONE IN GOMMA
With rubber gasket push button roller

VELOCITA' MASSIMA: CON CAMMA A 30° 0.5 m/s
Max speed with 30° cam:
FORZA MIN. DI AZIONAMENTO: 11 N
Min. force actuation:
FORZA MIN. PER APERTURA POSITIVA: 25 N
Min. force positive opening operation:

LEGENDA
Legenda
- APERTURA POSITIVA *Positive opening*
- INIZIO APERTURA POSITIVA *Positive opening beginning*
- PREMENDO *Pushing*
- RILASCIANDO *Releasing*

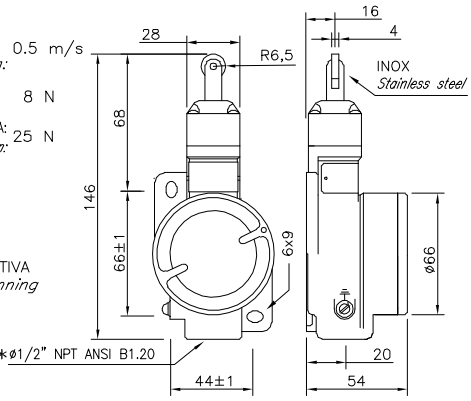


C2 1NO.1NC+ 1NO.1NC	PS 215N	
C5 1NO+1NC	PS 515N	
C6 1NO+1NC	PS 615N	
C7 1NO+1NC	PS 715N	
C9 2NC	PS 915N	
C10 2NO	PS 1015N	
C14 2NC	PS 1415N	
C15 2NO	PS 1515N	
C20 1NO+2NC	PS 2015N	

A PERNO CON ROTELLA
With push button roller

VELOCITA' MASSIMA: CON CAMMA A 30° 0.5 m/s
Max speed with 30° cam:
FORZA MIN. DI AZIONAMENTO: 8 N
Min. force actuation:
FORZA MIN. PER APERTURA POSITIVA: 25 N
Min. force positive opening operation:

LEGENDA
Legenda
- APERTURA POSITIVA *Positive opening*
- INIZIO APERTURA POSITIVA *Positive opening beginning*
- PREMENDO *Pushing*
- RILASCIANDO *Releasing*

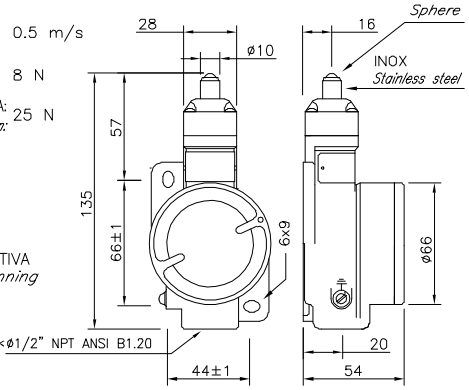


C2 1NO.1NC+ 1NO.1NC	PS 216N ✸	
C5 1NO+1NC	PS 516N ✸	
C6 1NO+1NC	PS 616N ✸	
C7 1NO+1NC	PS 716N	
C9 2NC	PS 916N	
C10 2NO	PS 1016N	
C14 2NC	PS 1416N	
C15 2NO	PS 1516N	
C20 1NO+2NC	PS 2016N	

A PERNO CON SFERA
With push button sphere

VELOCITA' MASSIMA: 0.5 m/s
Max speed
FORZA MIN. DI AZIONAMENTO: 8 N
Min. force actuation:
FORZA MIN. PER APERTURA POSITIVA: 25 N
Min. force positive opening operation:

LEGENDA
Legenda
- APERTURA POSITIVA *Positive opening*
- INIZIO APERTURA POSITIVA *Positive opening beginning*
- PREMENDO *Pushing*
- RILASCIANDO *Releasing*

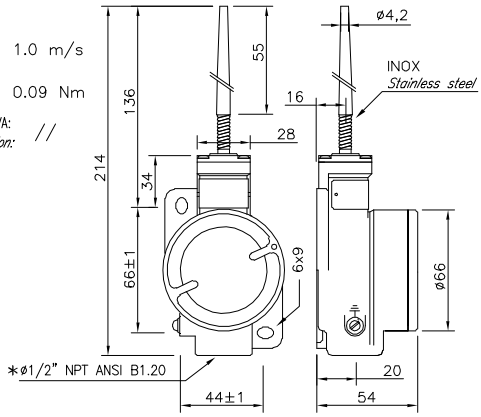


C2 1NO.1NC+ 1NO.1NC	PS 218N	
C5 1NO+1NC	PS 518N	
C6 1NO+1NC	PS 618N	
C7 1NO+1NC	PS 718N	
C9 2NC	PS 918N	
C10 2NO	PS 1018N	
C14 2NC	PS 1418N	
C15 2NO	PS 1518N	
C20 1NO+2NC	PS 2018N	

AD ASTA CON MOLLA
With spring rod

VELOCITA' MASSIMA: 1.0 m/s
Max speed
COPPIA MIN. DI AZIONAMENTO: 0.09 Nm
Min. torque actuation:
COPPIA MIN. PER APERTURA POSITIVA: //
Min. torque positive opening operation:

LEGENDA
Legenda
- PREMENDO *Pushing*
- RILASCIANDO *Releasing*



C2 1NO.1NC+ 1NO.1NC	PS 220N	
C5 1NO+1NC	PS 520N	
C10 2NO	PS 1020N	
C20 1NO+2NC	PS 2020N	

*IN ALTERNATIVA:
Alternative: M20x1.5 ISO 262

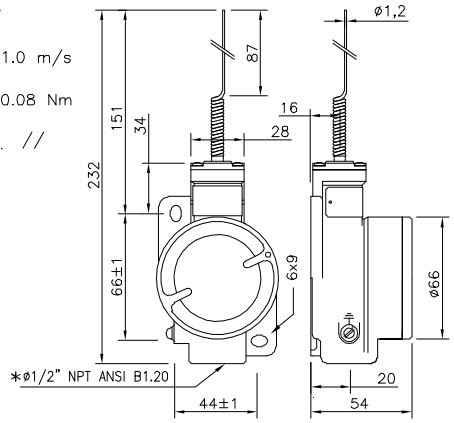
✱ I PRODOTTI CONTRASSEGNATI SONO NORMALMENTE DISPONIBILI A MAGAZZINO
The marked products are normally available to store

UNITA' DI CONTATTO *Contact blocks*	N°CATALOGO *Catalogue n°*	DIAGRAMMI CORSE *Travel diagrams*

CON MOLLA INOX
With spring stainless steel

VELOCITA' MASSIMA: *Max speed* 1.0 m/s
COPPIA MIN. DI AZIONAMENTO: *Min. torque actuation:* 0.08 Nm
COPPIA MIN. PER APERTURA POSITIVA: *Min. torque positive opening operation:* //

LEGENDA *Legenda*
- PREMENDO *Pushing*
- RILASCIANDO *Releasing*

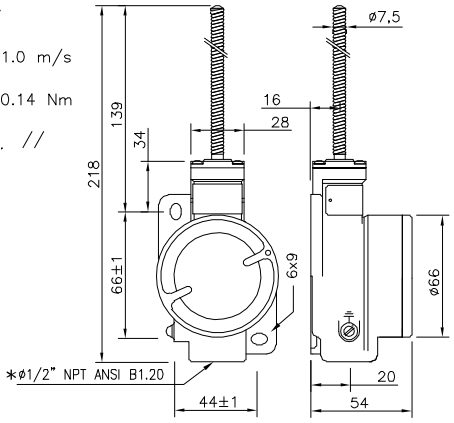


C2 1NO.1NC+ 1NO.1NC	PS 22IN	
C5 1NO+1NC	PS 52IN	
C10 2NO	PS 102IN	
C20 1NO+2NC	PS 202IN	

CON MOLLA INOX
With spring stainless steel

VELOCITA' MASSIMA: *Max speed* 1.0 m/s
COPPIA MIN. DI AZIONAMENTO: *Min. torque actuation:* 0.14 Nm
COPPIA MIN. PER APERTURA POSITIVA: *Min. torque positive opening operation:* //

LEGENDA *Legenda*
- PREMENDO *Pushing*
- RILASCIANDO *Releasing*

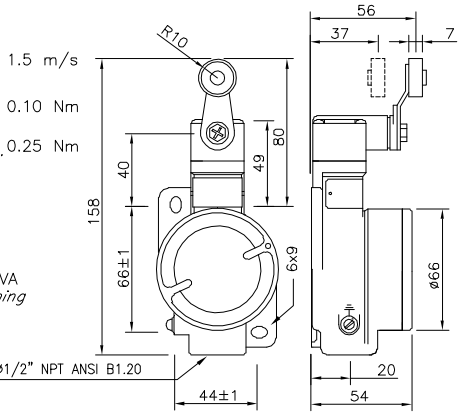


C2 1NO.1NC+ 1NO.1NC	PS 225N ✱	
C5 1NO+1NC	PS 525N ✱	
C10 2NO	PS 1025N	
C20 1NO+2NC	PS 2025N	

A LEVA CON ROTELLA
With roller lever

VELOCITA' MASSIMA: CON CAMMA A 30° *Max speed with 30° cam:* 1.5 m/s
COPPIA MIN. DI AZIONAMENTO: *Min. torque actuation:* 0.10 Nm
COPPIA MIN. PER APERTURA POSITIVA: *Min. torque positive opening operation:* 0.25 Nm

LEGENDA *Legenda*
- APERTURA POSITIVA *Positive opening*
- INIZIO APERTURA POSITIVA *Positive opening beginning*
- PREMENDO *Pushing*
- RILASCIANDO *Releasing*

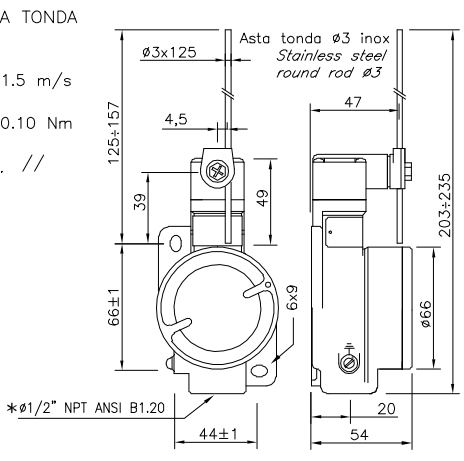


C2 1NO.1NC+ 1NO.1NC	PS 23IN ✱	
C5 1NO+1NC	PS 53IN ✱	
C6 1NO+1NC	PS 63IN ✱	
C7 1NO+1NC	PS 73IN	
C9 2NC	PS 93IN	
C10 2NO	PS 103IN	
C14 2NC	PS 143IN	
C15 2NO	PS 153IN	
C20 1NO+2NC	PS 203IN	

A LEVA CON ASTA RIGIDA TONDA
With rigid round rod lever

VELOCITA' MASSIMA: *Max speed* 1.5 m/s
COPPIA MIN. DI AZIONAMENTO: *Min. torque actuation:* 0.10 Nm
COPPIA MIN. PER APERTURA POSITIVA: *Min. torque positive opening operation:* //

LEGENDA *Legenda*
- PREMENDO *Pushing*
- RILASCIANDO *Releasing*



C2 1NO.1NC+ 1NO.1NC	PS 232N ✱	
C5 1NO+1NC	PS 532N ✱	
C6 1NO+1NC	PS 632N ✱	
C7 1NO+1NC	PS 732N	
C9 2NC	PS 932N	
C10 2NO	PS 1032N	
C14 2NC	PS 1432N	
C15 2NO	PS 1532N	
C20 1NO+2NC	PS 2032N	

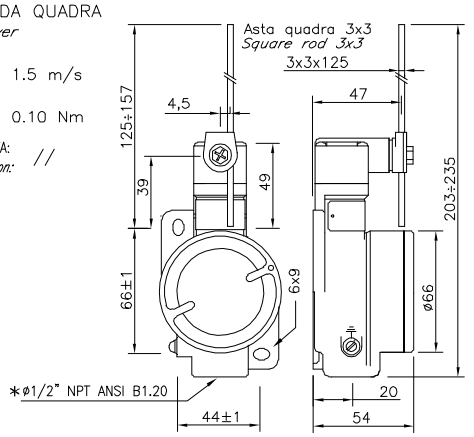
✱IN ALTERNATIVA: *Alternative:* M20x1.5 ISO 262

✱ I PRODOTTI CONTRASSEGNATI SONO NORMALMENTE DISPONIBILI A MAGAZZINO
The marked products are normally available to store

A LEVA CON ASTA RIGIDA QUADRA
With rigid square rod lever

VELOCITA' MASSIMA: *Max speed* 1.5 m/s
COPPIA MIN. DI AZIONAMENTO: *Min. torque actuation:* 0.10 Nm
COPPIA MIN. PER APERTURA POSITIVA: *Min. torque positive opening operation:* //

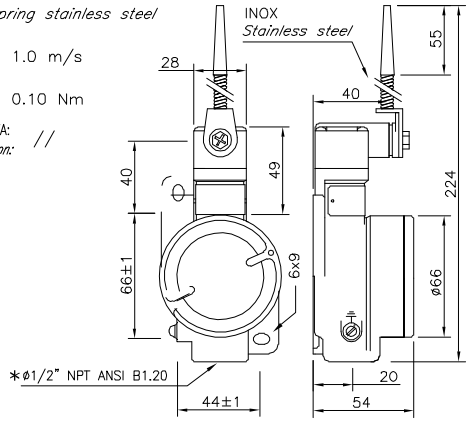
LEGENDA *Legenda*
- PREMENDO *Pushing*
- RILASCIANDO *Releasing*



A LEVA CON ASTA IN PVC E MOLLA INOX
With PVC rod lever and spring stainless steel

VELOCITA' MASSIMA: *Max speed* 1.0 m/s
COPPIA MIN. DI AZIONAMENTO: *Min. torque actuation:* 0.10 Nm
COPPIA MIN. PER APERTURA POSITIVA: *Min. torque positive opening operation:* //

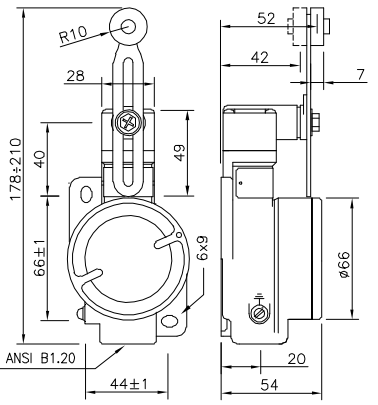
LEGENDA *Legenda*
- PREMENDO *Pushing*
- RILASCIANDO *Releasing*



A LEVA LUNGA CON ROTELLA
With lenghtened roller lever

VELOCITA' MASSIMA: CON CAMMA A 30° *Max speed with 30° cam:* 1.5 m/s
COPPIA MIN. DI AZIONAMENTO: *Min. torque actuation:* 0.10 Nm
COPPIA MIN. PER APERTURA POSITIVA: *Min. torque positive opening operation:* 0.25 Nm

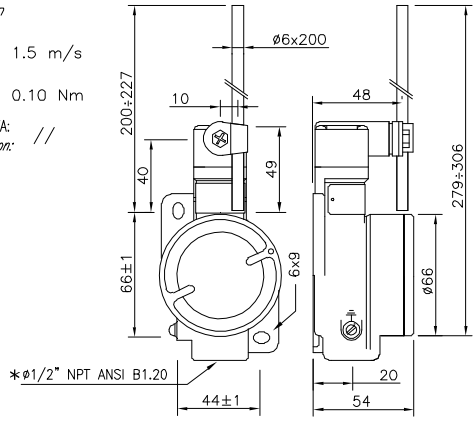
LEGENDA *Legenda*
- APERTURA POSITIVA *Positive opening*
- INIZIO APERTURA POSITIVA *Positive opening beginning*
- PREMENDO *Pushing*
- RILASCIANDO *Releasing*



A LEVA CON ASTA RIGIDA IN NYLON
With rigid rod lever nylon

VELOCITA' MASSIMA: *Max speed* 1.5 m/s
COPPIA MIN. DI AZIONAMENTO: *Min. torque actuation:* 0.10 Nm
COPPIA MIN. PER APERTURA POSITIVA: *Min. torque positive opening operation:* //

LEGENDA *Legenda*
- PREMENDO *Pushing*
- RILASCIANDO *Releasing*



UNITA' DI CONTATTO 2NO *Contact blocks*	N°CATALOGO *Catalogue n°*	DIAGRAMMI CORSE *Travel diagrams*
C2 1NO.1NC+ 1NO.1NC	PS 233N	13-14 0° 20° 75° / 21-22 / 43-44 / 31-32 13°
C5 1NO+1NC	PS 533N	21-22 0° 22° 75° / 13-14 9°
C6 1NO+1NC	PS 633N	21-22 0° 75° / 13-14 34°
C7 1NO+1NC	PS 733N	21-22 0° 32° 75° / 13-14 15°
C9 2NC	PS 933N	11-12 0° 32° 75° / 21-22
C10 2NO	PS 1033N	13-14 0° 14° 75° / 23-24
C14 2NC	PS 1433N	11-12 0° 32° 75° / 21-22 14°
C15 2NO	PS 1533N	13-14 0° 32° 75° / 23-24 14°
C20 1NO+2NC	PS 2033N	13-14 0° 15° 75° / 21-22 / 33-34 21°
C2 1NO.1NC+ 1NO.1NC	PS 234N	13-14 0° 20° 75° / 21-22 / 43-44 / 31-32 13°
C5 1NO+1NC	PS 534N	21-22 0° 22° 75° / 13-14 9°
C6 1NO+1NC	PS 634N	21-22 0° 75° / 13-14 34°
C7 1NO+1NC	PS 734N	21-22 0° 32° 75° / 13-14 15°
C9 2NC	PS 934N	11-12 0° 32° 75° / 21-22
C10 2NO	PS 1034N	13-14 0° 14° 75° / 23-24
C14 2NC	PS 1434N	11-12 0° 32° 75° / 21-22 14°
C15 2NO	PS 1534N	13-14 0° 32° 75° / 23-24 14°
C20 1NO+2NC	PS 2034N	13-14 0° 15° 75° / 21-22 / 33-34 21°
C2 1NO.1NC+ 1NO.1NC	PS 235N	13-14 0° 20° 75° / 21-22 / 43-44 / 31-32 13°
C5 1NO+1NC	PS 535N ➔	21-22 0° 22° 52° 75° / 13-14 9°
C6 1NO+1NC	PS 635N ➔	21-22 0° 14° 34° 75° / 13-14 34°
C7 1NO+1NC	PS 735N ➔	21-22 0° 32° 52° 75° / 13-14 15°
C9 2NC	PS 935N ➔	11-12 0° 32° 52° 75° / 21-22
C10 2NO	PS 1035N	13-14 0° 14° 75° / 23-24
C14 2NC	PS 1435N ➔	11-12 0° 32° 52° 75° / 21-22 14°
C15 2NO	PS 1535N	13-14 0° 32° 75° / 23-24 14°
C20 1NO+2NC	PS 2018N ➔	13-14 0° 15° 35° 75° / 21-22 / 33-34 21°
C2 1NO.1NC+ 1NO.1NC	PS 236N	13-14 0° 20° 75° / 21-22 / 43-44 / 31-32 13°
C5 1NO+1NC	PS 536N	21-22 0° 22° 75° / 13-14 9°
C6 1NO+1NC	PS 636N	21-22 0° 75° / 13-14 34°
C7 1NO+1NC	PS 736N	21-22 0° 32° 75° / 13-14 15°
C9 2NC	PS 936N	11-12 0° 32° 75° / 21-22
C10 2NO	PS 1036N	13-14 0° 14° 75° / 23-24
C14 2NC	PS 1436N	11-12 0° 32° 75° / 21-22 14°
C15 2NO	PS 1536N	13-14 0° 32° 75° / 23-24 14°
C20 1NO+2NC	PS 2036N	13-14 0° 15° 75° / 21-22 / 33-34 21°

✱IN ALTERNATIVA: *Alternative:* M20x1.5 ISO 262

✱ I PRODOTTI CONTRASSEGNATI SONO NORMALMENTE DISPONIBILI A MAGAZZINO
The marked products are normally available to store

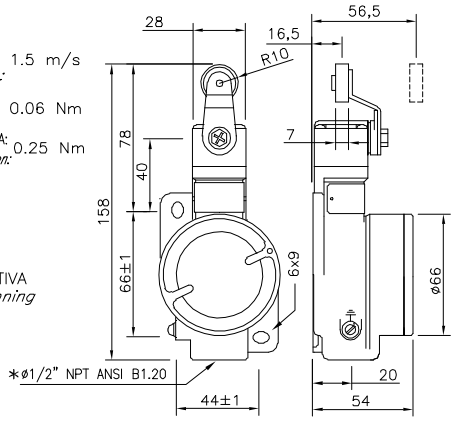
UNITA' DI CONTATTO *Contact blocks*	N°CATALOGO *Catalogue n°*	DIAGRAMMI CORSE *Travel diagrams*
C2 1NO.1NC+ 1NO.1NC	PS 25IN	13-14 21-22 43-44 31-32
C5 1NO+1NC	PS 55IN	21-22 13-14 21-22 13-14
C6 1NO+1NC	PS 65IN	21-22 13-14
C7 1NO+1NC	PS 75IN	21-22 13-14
C9 2NC	PS 95IN	11-12 21-22
C10 2NO	PS 105IN	13-14 23-24
C14 2NC	PS 145IN	11-12 21-22
C15 2NO	PS 155IN	13-14 23-24
C20 1NO+2NC	PS 205IN	13-14 21-22 33-34

A LEVA CON ROTELLA
With roller lever

VELOCITA' MASSIMA: CON CAMMA A 30° 1.5 m/s
Max speed with 30° cam:
COPPIA MIN. DI AZIONAMENTO: 0.06 Nm
Min. torque actuation:
COPPIA MIN. PER APERTURA POSITIVA: 0.25 Nm
Min. torque positive opening operation:

LEGENDA
Legenda

- APERTURA POSITIVA *Positive opening*
- INIZIO APERTURA POSITIVA *Positive opening beginning*
- PREMENDO *Pushing*
- RILASCIANDO *Releasing*



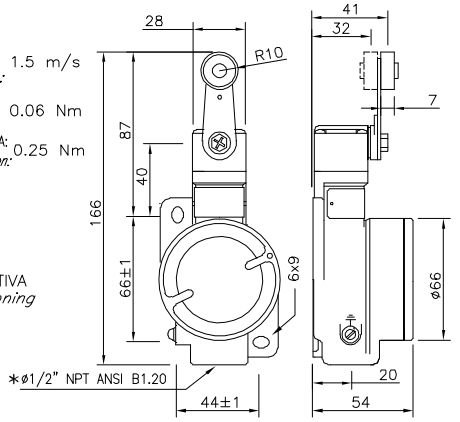
UNITA' DI CONTATTO *Contact blocks*	N°CATALOGO *Catalogue n°*	DIAGRAMMI CORSE *Travel diagrams*
C2 1NO.1NC+ 1NO.1NC	PS 252N	13-14 21-22 43-44 31-32
C5 1NO+1NC	PS 552N	21-22 13-14 21-22 13-14
C6 1NO+1NC	PS 652N	21-22 13-14
C7 1NO+1NC	PS 752N	21-22 13-14
C9 2NC	PS 952N	11-12 21-22
C10 2NO	PS 1052N	13-14 23-24
C14 2NC	PS 1452N	11-12 21-22
C15 2NO	PS 1552N	13-14 23-24
C20 1NO+2NC	PS 2052N	13-14 21-22 33-34

A LEVA CON ROTELLA
With roller lever

VELOCITA' MASSIMA: CON CAMMA A 30° 1.5 m/s
Max speed with 30° cam:
COPPIA MIN. DI AZIONAMENTO: 0.06 Nm
Min. torque actuation:
COPPIA MIN. PER APERTURA POSITIVA: 0.25 Nm
Min. torque positive opening operation:

LEGENDA
Legenda

- APERTURA POSITIVA *Positive opening*
- INIZIO APERTURA POSITIVA *Positive opening beginning*
- PREMENDO *Pushing*
- RILASCIANDO *Releasing*

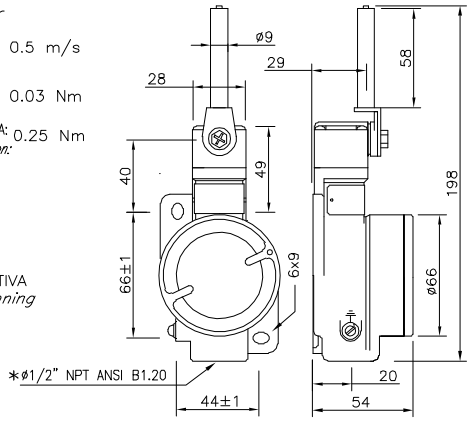


A LEVA CON RULLO IN PORCELLANA
With porcelain roller lever

VELOCITA' MASSIMA: 0.5 m/s
Max speed
COPPIA MIN. DI AZIONAMENTO: 0.03 Nm
Min. torque actuation:
COPPIA MIN. PER APERTURA POSITIVA: 0.25 Nm
Min. torque positive opening operation:

LEGENDA
Legenda

- APERTURA POSITIVA *Positive opening*
- INIZIO APERTURA POSITIVA *Positive opening beginning*
- PREMENDO *Pushing*
- RILASCIANDO *Releasing*



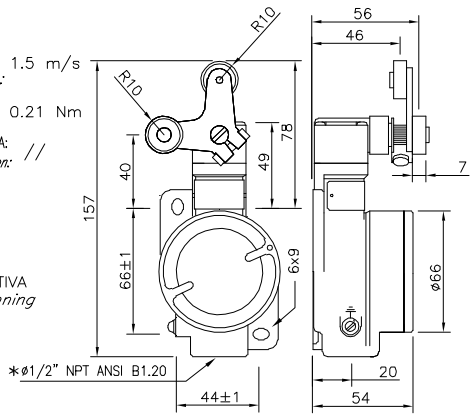
UNITA' DI CONTATTO *Contact blocks*	N°CATALOGO *Catalogue n°*	DIAGRAMMI CORSE *Travel diagrams*
C5 1NO+1NC	PS 553N	21-22 13-14 21-22 13-14
C6 1NO+1NC	PS 653N	21-22 13-14

CON LEVA A LIRA
With lyra lever

VELOCITA' MASSIMA: CON CAMMA A 30° 1.5 m/s
Max speed with 30° cam:
COPPIA MIN. DI AZIONAMENTO: 0.21 Nm
Min. torque actuation:
COPPIA MIN. PER APERTURA POSITIVA: //
Min. torque positive opening operation:

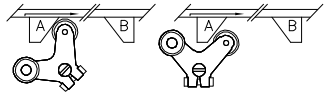
LEGENDA
Legenda

- APERTURA POSITIVA *Positive opening*
- INIZIO APERTURA POSITIVA *Positive opening beginning*
- PREMENDO *Pushing*
- RILASCIANDO *Releasing*



UNITA' DI CONTATTO *Contact blocks*	N°CATALOGO *Catalogue n°*	DIAGRAMMI CORSE *Travel diagrams*
C5 1NO+1NC	PS 542N	21-22 13-14 21-22 13-14

FINECORSA A DUE POSIZIONI STABILI
Limit switch with two stable position
Leva a lyra s due piste
Double trak lyra lever



Escursione meccanica
Mechanical excursion

A richiesta
On request

PS 54IN Leva a lyra ad una pista
Single trak lyra lever

✱IN ALTERNATIVA:
Alternative: M20x1.5 ISO 262

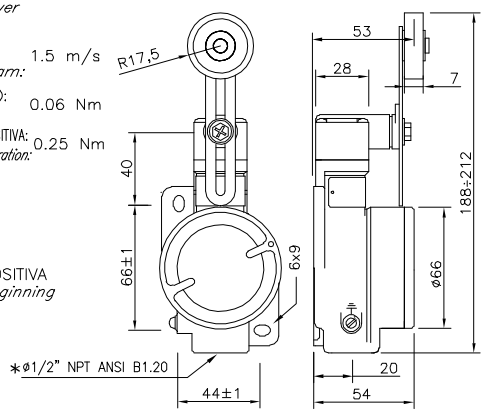
D

✱ I PRODOTTI CONTRASSEGNATI SONO NORMALMENTE DISPONIBILI A MAGAZZINO
The marked products are normally available to store

A LEVA ALLUNGABILE CON ROTELLA
With roller extensible lever

VELOCITA' MASSIMA:
CON CAMMA A 30° 1.5 m/s
Max speed with 30° cam:
COPPIA MIN. DI AZIONAMENTO: 0.06 Nm
Min. torque actuation:
COPPIA MIN. PER APERTURA POSITIVA: 0.25 Nm
Min. torque positive opening operation:

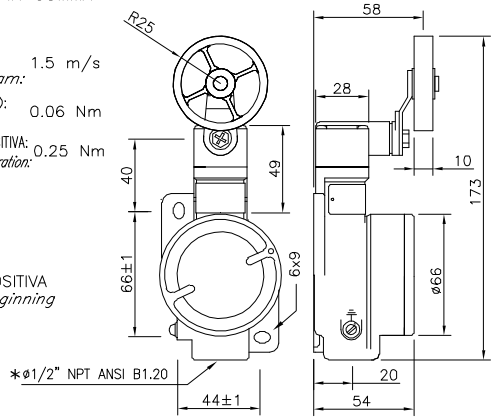
LEGENDA
Legenda
- APERTURA POSITIVA *Positive opening*
- INIZIO APERTURA POSITIVA *Positive opening beginning*
- PREMENDO *Pushing*
- RILASCIANDO *Releasing*



A LEVA CON ROTELLA IN GOMMA
With rubber roller lever

VELOCITA' MASSIMA:
CON CAMMA A 30° 1.5 m/s
Max speed with 30° cam:
COPPIA MIN. DI AZIONAMENTO: 0.06 Nm
Min. torque actuation:
COPPIA MIN. PER APERTURA POSITIVA: 0.25 Nm
Min. torque positive opening operation:

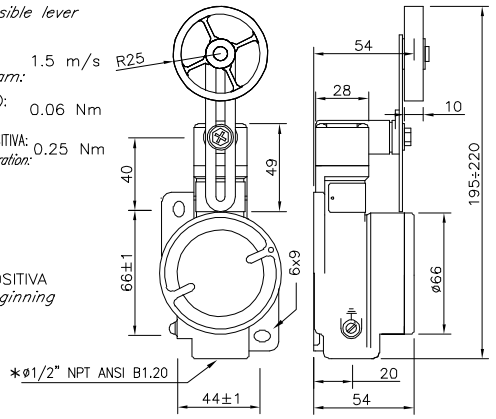
LEGENDA
Legenda
- APERTURA POSITIVA *Positive opening*
- INIZIO APERTURA POSITIVA *Positive opening beginning*
- PREMENDO *Pushing*
- RILASCIANDO *Releasing*



A LEVA ALLUNGABILE CON ROTELLA IN GOMMA
With rubber roller extensible lever

VELOCITA' MASSIMA:
CON CAMMA A 30° 1.5 m/s
Max speed with 30° cam:
COPPIA MIN. DI AZIONAMENTO: 0.06 Nm
Min. torque actuation:
COPPIA MIN. PER APERTURA POSITIVA: 0.25 Nm
Min. torque positive opening operation:

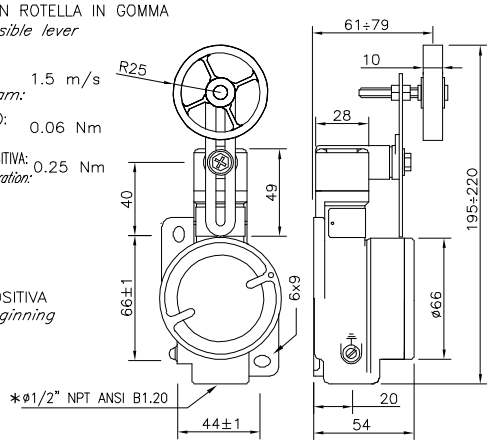
LEGENDA
Legenda
- APERTURA POSITIVA *Positive opening*
- INIZIO APERTURA POSITIVA *Positive opening beginning*
- PREMENDO *Pushing*
- RILASCIANDO *Releasing*



A LEVA ALLUNGABILE CON ROTELLA IN GOMMA
With rubber roller extensible lever

VELOCITA' MASSIMA:
CON CAMMA A 30° 1.5 m/s
Max speed with 30° cam:
COPPIA MIN. DI AZIONAMENTO: 0.06 Nm
Min. torque actuation:
COPPIA MIN. PER APERTURA POSITIVA: 0.25 Nm
Min. torque positive opening operation:

LEGENDA
Legenda
- APERTURA POSITIVA *Positive opening*
- INIZIO APERTURA POSITIVA *Positive opening beginning*
- PREMENDO *Pushing*
- RILASCIANDO *Releasing*



UNITA' DI CONTATTO *Contact blocks*	N°CATALOGO *Catalogue n°*	DIAGRAMMI CORSE *Travel diagrams*
C2 1NO.1NC+ 1NO.1NC	PS 238EN ✱	13-14 / 21-22 / 43-44 / 31-32 — 0° 20° 75° — 13°
C5 1NO+1NC	PS 538EN ✱	21-22 / 13-14 / 21-22 / 13-14 — 0° 30° 60° 75° — 17°
C6 1NO+1NC	PS 638EN ✱	21-22 / 13-14 — 0° 22° 42° 75° — 42°
C7 1NO+1NC	PS 738EN	21-22 / 13-14 — 0° 40° 60° 75° — 23°
C9 2NC	PS 938EN	11-12 / 21-22 — 0° 40° 60° 75°
C10 2NO	PS 1038EN	13-14 / 23-24 — 0° 22° 75°
C14 2NC	PS 1438EN	11-12 / 21-22 — 0° 40° 60° 75° — 22°
C15 2NO	PS 1538EN	13-14 / 23-24 — 0° 40° 75° — 22°
C20 1NO+2NC	PS 2038EN	13-14 / 21-22 / 33-34 — 0° 23° 43° 75° — 29°
C2 1NO.1NC+ 1NO.1NC	PS 238AN	13-14 / 21-22 / 43-44 / 31-32 — 0° 20° 75° — 13°
C5 1NO+1NC	PS 538AN	21-22 / 13-14 / 21-22 / 13-14 — 0° 30° 60° 75° — 17°
C6 1NO+1NC	PS 638AN	21-22 / 13-14 — 0° 22° 42° 75° — 42°
C7 1NO+1NC	PS 738AN	21-22 / 13-14 — 0° 40° 60° 75° — 23°
C9 2NC	PS 938AN	11-12 / 21-22 — 0° 40° 60° 75°
C10 2NO	PS 1038AN	13-14 / 23-24 — 0° 22° 75°
C14 2NC	PS 1438AN	11-12 / 21-22 — 0° 40° 60° 75° — 22°
C15 2NO	PS 1538AN	13-14 / 23-24 — 0° 40° 75° — 22°
C20 1NO+2NC	PS 2038AN	13-14 / 21-22 / 33-34 — 0° 23° 43° 75° — 29°
C2 1NO.1NC+ 1NO.1NC	PS 238BN	13-14 / 21-22 / 43-44 / 31-32 — 0° 20° 75° — 13°
C5 1NO+1NC	PS 538BN	21-22 / 13-14 / 21-22 / 13-14 — 0° 30° 60° 75° — 17°
C6 1NO+1NC	PS 638BN	21-22 / 13-14 — 0° 22° 42° 75° — 42°
C7 1NO+1NC	PS 738BN	21-22 / 13-14 — 0° 40° 60° 75° — 23°
C9 2NC	PS 938BN	11-12 / 21-22 — 0° 40° 60° 75°
C10 2NO	PS 1038BN	13-14 / 23-24 — 0° 22° 75°
C14 2NC	PS 1438BN	11-12 / 21-22 — 0° 40° 60° 75° — 22°
C15 2NO	PS 1538BN	13-14 / 23-24 — 0° 40° 75° — 22°
C20 1NO+2NC	PS 2038BN	13-14 / 21-22 / 33-34 — 0° 23° 43° 75° — 29°
C2 1NO.1NC+ 1NO.1NC	PS 238CN	13-14 / 21-22 / 43-44 / 31-32 — 0° 20° 75° — 13°
C5 1NO+1NC	PS 538CN	21-22 / 13-14 / 21-22 / 13-14 — 0° 30° 60° 75° — 17°
C6 1NO+1NC	PS 638CN	21-22 / 13-14 — 0° 22° 42° 75° — 42°
C7 1NO+1NC	PS 738CN	21-22 / 13-14 — 0° 40° 60° 75° — 23°
C9 2NC	PS 938CN	11-12 / 21-22 — 0° 40° 60° 75°
C10 2NO	PS 1038CN	13-14 / 23-24 — 0° 22° 75°
C14 2NC	PS 1438CN	11-12 / 21-22 — 0° 40° 60° 75° — 22°
C15 2NO	PS 1538CN	13-14 / 23-24 — 0° 40° 75° — 22°
C20 1NO+2NC	PS 2038CN	13-14 / 21-22 / 33-34 — 0° 23° 43° 75° — 29°

✱IN ALTERNATIVA:
Alternative: M20x1.5 ISO 262

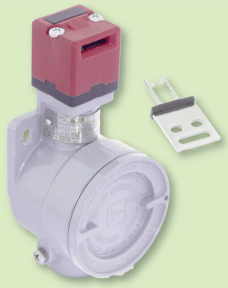
KEY-LOCK SAFETY SWITCHES with POSITIVE OPENING

series **PS**

Protection		Zone			
Gas	1-2	II2G	Ex db IIC T6÷T5 Gb
Dusts	21-22	II2D	Ex tb IIIC T85°C÷T100°C Db

Degree of Protection	IP66/67

Amb. Temp.				
Standard	-20°C	+40°C
Extended	-50°C	+80°C



Entries Threading	NPT ANSI B1.20
Material	Aluminum light alloy
Painting	External epoxy RAL7000

Standards and Certificates

Directive 2014/34/EU (ATEX)

EN 60079-0 • EN 60079-1
EN 60079-31

CE BVI 13 ATEX 0083

IECEx

IEC 60079-0 • IEC 60079-1
IEC 60079-31

IECEx EPS 13.0033

- Ideal to control Gates, Protections, Carters and any moving mechanical parts.
- Stainless Steel operating key has to be fixed to the mobile part of the protection. The key is removed from the switch when opening the protection and a mechanism ensures the positive opening of the electric contact.
- Applicable to any type of protection (hinged, removable or sliding)
- Possibility to operate the switch with a key allowing the restart only by inserting the same key
- The switch with manual mechanical delay are used on machines where dangerous conditions continue for a limited time even after pressing the stop command of the machine (mechanical inertia of pulleys, belt saw, grinders, etc.)
- Electrical power or timers not required
- For any other information pls. see pages D13 and D14.

Options

- Stainless Steel version (see page I19).
- Cable entry with metric thread M20x1.5 (M).
- Orthogonal key.
- Jointed Key.

Information on available contacts: see pages D13 and D14.

Installation

- The safety circuit shall be connected to the NC contact 21-22 when the key is inserted.
- The safety switches must be mounted to the body of the machine while the key-lock is fixed to the protection.
- Safety switches with manual mechanical delay firmly lock the key, once installed. Turn the knob to release/remove the key. Since the early rounds of rotation the electrical contact is positively open, only after about 20 seconds, the key is released: for closing the knob must be rotated in reverse.
- The head may be positioned on any of the four sides of the switch just by removing the four fixing screws: this allows up to 8 different actuation directions (the head has two key entries). Switches with manual mechanical delay allow up to 32 different possible configurations as the head has two key entries and a release knob independently swiveled 90° x 90°.
- When the key is not inserted make sure that any dust and dirt do not obstruct its seat (use the protection cap).
- **Periodically verify the correct operation of the switch.**
- Fix the switch interposing a washer under fixing screws head.

Application on fences

When the switch is used to protect parts of machines physically accessible to people, to prevent the door or gate may accidentally close when the operetor is inside, a padlock may be used at the appropriate hole on the key.
The arc of the padlock shall be of 6 mm diameter minimum.

Codifica d'Ordine

Key-lock safety switch with positive opening ⇒: PS 693N

Type	Contact unit	Actuator	Threading
PS	C6	93	**N** = NPT (N) **M** = metric (M)

Key-lock safety switch with manual mechanical delay and positive opening ⇒: PS 9R2M

Type	Contact unit	Actuator	Threading
PS	C9	R2	**N** = NPT (N) **M** = metric (M)

NOTES

To read the installation and maintenance instructions is reccommended.

The temperature class T6/T85°C considers an Ambient Temperature (A.T.) extended up to +60°C, whereas, class T5/T100°C considers an A.T. extended up to +80°C.

[°] The insulating voltage is equal to 400 VAC / 500 VDC for C2 and C11 contacts.

(*) For A.T. up to +40°C the max surface temperature is 65°C reducing the number of operations to 600/h.

(**) As safety switches only those with ⇒ symbol shall be used.

The safety circuit must always be connected to NC contacts (11-12 or 21-22). Exceed by 1.5 mm (25°) the gap between the contacts. Operate the switch with the indicated opening force.

D

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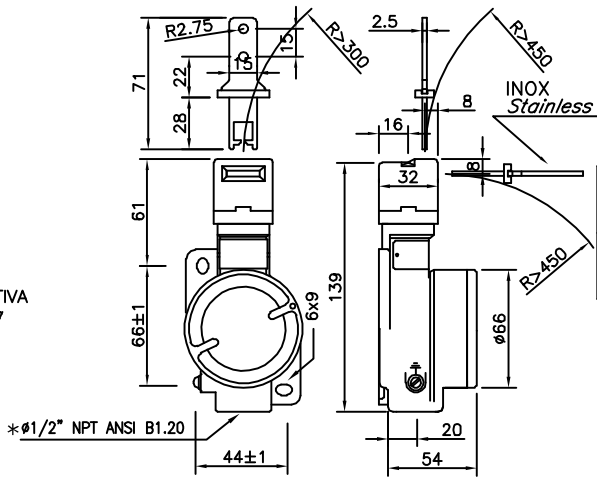
✹ I PRODOTTI CONTRASSEGNATI SONO NORMALMENTE DISPONIBILI A MAGAZZINO
The marked products are normally available to store

UNITA' DI CONTATTO *Contact blocks*	N°CATALOGO *Catalogue n°*	DIAGRAMMI CORSE *Travel diagrams*
C6 1NO+1NC (13 21 / 14 22)	PS 693N ✹	21–22 / 13–14 — 0 4.7 7.2 — 7
C9 2NC (11 21 / 12 22)	PS 993N	11–12 / 21–22 — 0 6.5 9

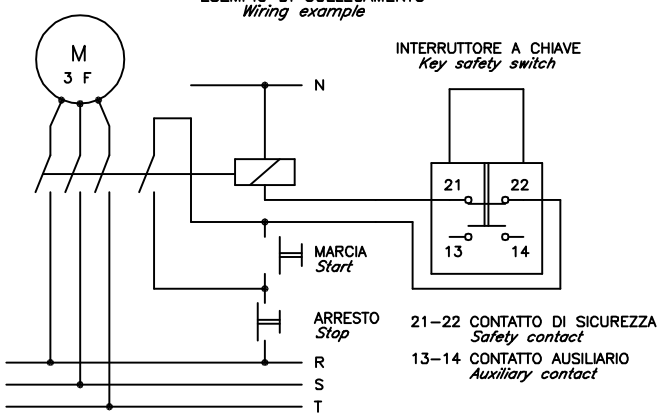
A CHIAVE
With key



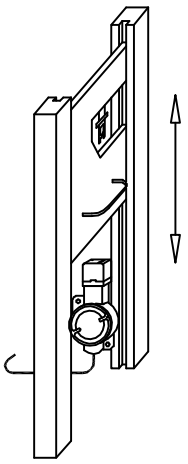
LEGENDA
Legenda

APERTURA POSITIVA
Positive opening

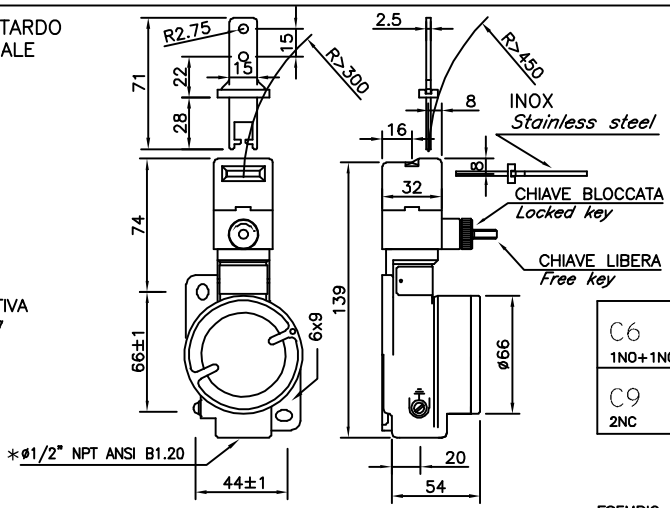
ESEMPIO DI COLLEGAMENTO
Wiring example



ESEMPIO DI APPLICAZIONE
Installation example



A CHIAVE CON RITARDO MECCANICO MANUALE
With key manual mechanical delay

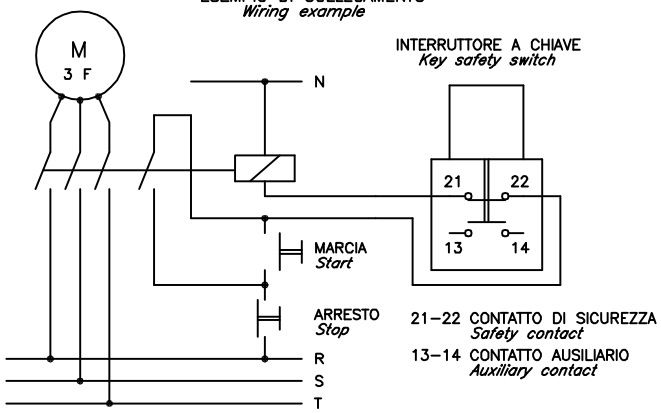


LEGENDA
Legenda

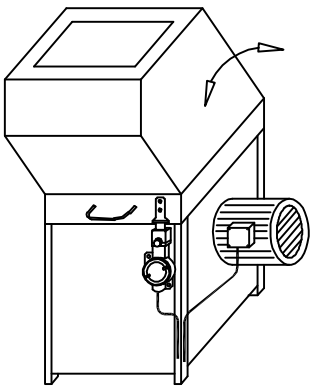
APERTURA POSITIVA
Positive opening

C6 1NO+1NC (13 21 / 14 22)		PS 6R2N
C9 2NC (11 21 / 12 22)		PS 9R2N

ESEMPIO DI COLLEGAMENTO
Wiring example



ESEMPIO DI APPLICAZIONE
Installation example



*IN ALTERNATIVA:
Alternative: M20x1.5 ISO 262

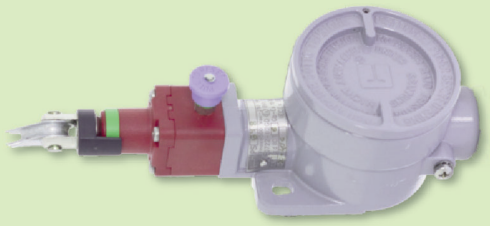
CABLE OPERATED SAFETY SWITCHES with POSITIVE OPENING

series **PS**

Protection		Zone			
Gas		1-2	II2G	Ex db IIC T6÷T5 Gb
Dusts		21-22	II2D	Ex tb IIIC T85°C÷T100°C Db

Degree of Protection: **IP66/67**

Amb. Temp.: Standard -20°C +40°C; Extended -50°C +80°C



Entries Threading: **NPT ANSI B1.20**

Material: **Aluminum light alloy**

Painting: **External epoxy RAL7000**

Standards and Certificates:

- Directive 2014/34/EU (ATEX)
- EN 60079-0 • EN 60079-1 EN 60079-31
- CE BVI 13 ATEX 0083
- IECEx: IEC 60079-0 • IEC 60079-1 IEC 60079-31
- IECEx EPS 13.0033

- Ideal to control any moving mechanical parts especially conveyors. They make possible to stop the machine from any point of intervention by manually pulling the cable.
- Self-diagnostic for the correct operation of the unit by opening the contacts in case of cable loosening or breakage detection.
- The version with reset includes the indicator of correct tension of the cable as well as a mechanical indicator of the status of the contacts. Contacts remain open after the intervention even if the cable is released.
- Suitable for cables with free span up to 16 m and, with appropriate extensions, even beyond.
- For any other information pls. see pages D13 and D14.

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Options

- Stainless Steel version (see page I19).
- Cable entry with metric thread M20x1.5 (M).

Information on available contacts: see pages D13 and D14.

Installation

The switch is supplied with the following accessories:
- Plastic coated steel cable Ø5 mm lenght 6 m or 16 m;
- 1 tie rod for tensioning the cable;
- 2 terminals;
- 2 jumpers.

- The safety circuit shall be connected to NC contact (11-12 or 21-22).
- For tensioning the cable allow a stroke of about 8 mm to the cursor of the switch.
- Use original acccessories only, otherwise the switch performances are not guaranteed.
- **Periodically verify the correct operation of the switch.**

Order coding

Safety switch with tie rod for cable and positive opening ⇒: PS 680M

Type	Contact unit	Actuator	Threading
PS	**C6**	**80**	**N** = NPT (N) **M** = metric (M)

Safety switch with tie rod for cable and positive opening ⇒ with reset: PS 984N

Type	Contact unit	Actuator	Threading
PS	**C9**	**84** = right **83** = left	**N** = NPT (N) **M** = metric (M)

Safety switch with tie rod for vertical cable and positive opening ⇒ with reset: PS 678M

Type	Contact unit	Actuator	Threading
PS	**C6**	**78**	**N** = NPT (N) **M** = metric (M)

NOTES

To read the installation and maintenance instructions is reccommended.

The temperature class T6/T85°C considers an Ambient Temperature (A.T.) extended up to +60°C, whereas, class T5/T100°C considers an A.T. extended up to +80°C.

[°] The insulating voltage is equal to 400 VAC / 500 VDC for C2 and C11 contacts.

(*) For A.T. up to +40°C the max surface temperature is 65°C reducing the number of operations to 600/h.

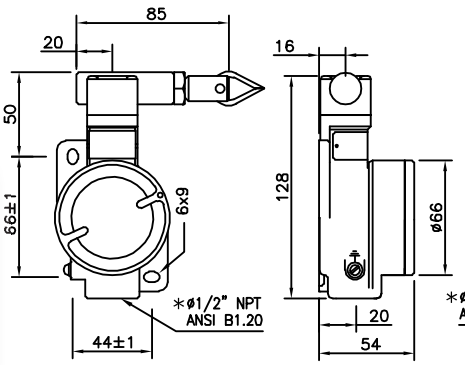
(**) As safety switches only those with ⇒ symbol shall be used.

The safety circuit must always be connected to NC contacts (11-12 or 21-22). Exceed by 1.5 mm (25°) the gap between the contacts. Operate the switch with the indicated opening force.

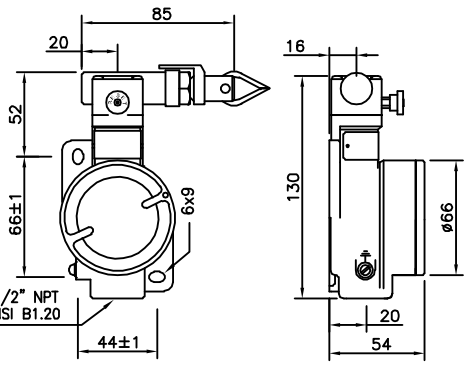
D

✸ I PRODOTTI CONTRASSEGNATI SONO NORMALMENTE DISPONIBILI A MAGAZZINO
The marked products are normally available to store

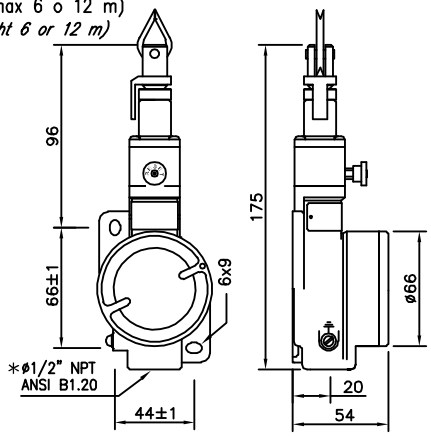
CON TIRANTE PER FUNE
With connecting rod for rope



CON TIRANTE PER FUNE DESTRA (684N–984N) E SINISTRA (683N–983N)
CON RESET
With connecting rod reset rope on the right (684N–984N) and left (683N–983N)

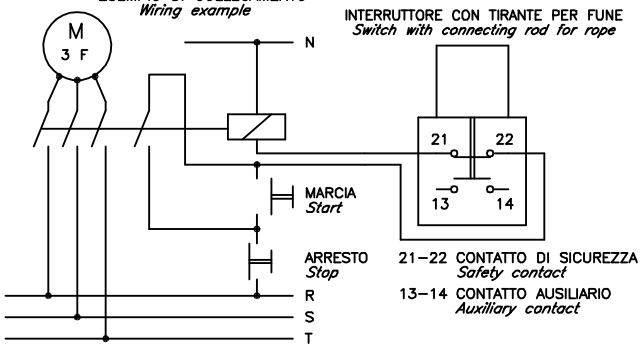


CON TIRANTE PER FUNE VERTICALE E RESET
With connecting rod reset rope on the vertical
(Lungh. max 6 o 12 m)
(max lenght 6 or 12 m)



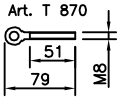
UNITA' DI CONTATTO *Contact blocks*	N°CATALOGO *Catalogue n°*	DIAGRAMMI CORSE *Travel diagrams*	N°CATALOGO *Catalogue n°*	DIAGRAMMI CORSE *Travel diagrams*	N°CATALOGO *Catalogue n°*	DIAGRAMMI CORSE *Travel diagrams*
C6 13 21 / 14 22 — 1NO+1NC	PS 680N✸	21–22 / 13–14: 0 — 4.0 — 8 — 12.6 14 16; 3.5 S 13	PS 684N✸ PS 683N✸	21–22 / 13–14: 0 — 8 — 14 16; R4.5 S R12	PS 678N✸	21–22 / 13–14: 0 — 4 — 8 8.5; R1.5 S R6.5
C9 11 21 / 12 22 — 2NC	PS 980N	11–12 / 21–22: 0 — 3.5 — 8 — 13 16; S 14.5	PS 984N PS 983N	11–12 / 21–22: 0 — 8 — 14 16; R4.5 S R12	PS 978N	11–12 / 21–22: 0 — 4 — 8 8.5; R1.5 S R6.5

ESEMPIO DI COLLEGAMENTO
Wiring example



ACCESSORI – *Accessories*

Art. T 870 — TIRANTE PER METTERE IN TENSIONE LA FUNE IN MODO CORRETTO (Pz. 1).
Stay bolt suitable for setting the rope in tension correctly (pcs. 1).

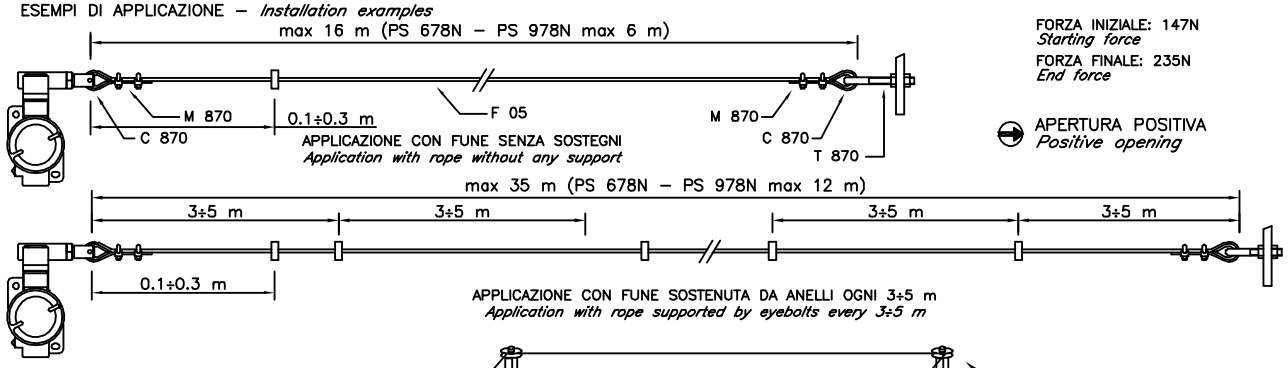


Art. M 870 — MORSETTO (Pz. 2 o 4).
Rope clamp (pcs. 2 or 4).

Art. C 870 — CAVALLOTTO (Pz. 1).
Thimble (pcs. 1).

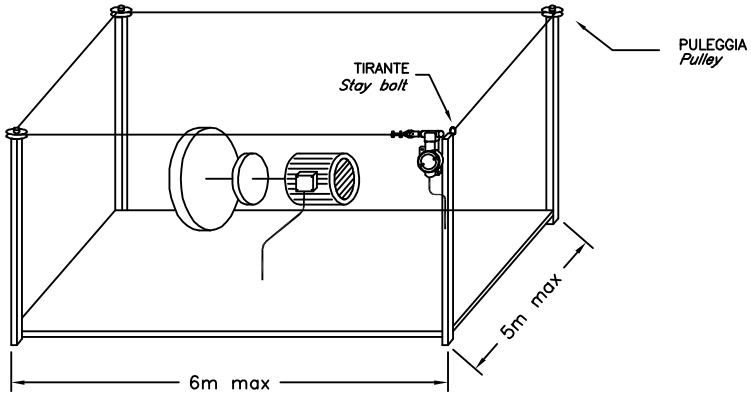
Art. F 05 — FUNE IN ACCIAIO PLASTIFICATA ROSSA ø5 mm (in rotoli da 100 m).
Red plasticized steel rope ø5 mm (coils of 100 m).

ESEMPI DI APPLICAZIONE – *Installation examples*



FORZA INIZIALE: 147N
Starting force
FORZA FINALE: 235N
End force

APERTURA POSITIVA
Positive opening



*IN ALTERNATIVA:
Alternative: M20x1.5 ISO 262

BUOYANT OPERATED LIMIT SWITCHES

series **PS**

Protection		Zone			
Gas		1-2	II2G	Ex db IIC T6÷T5 Gb
Dusts		21-22	II2D	Ex tb IIIC T85°C÷T100°C Db

Degree of Protection: **IP66/67**

Amb. Temp.: Standard -20°C +40°C; Extended -50°C +80°C

Entries Threading: **NPT ANSI B1.20**

Material: **Aluminum light alloy**

Painting: **External epoxy RAL7000**

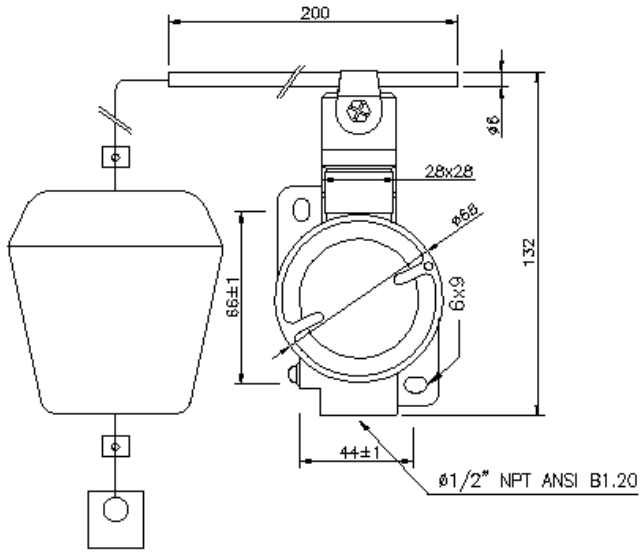
Standards and Certificates:

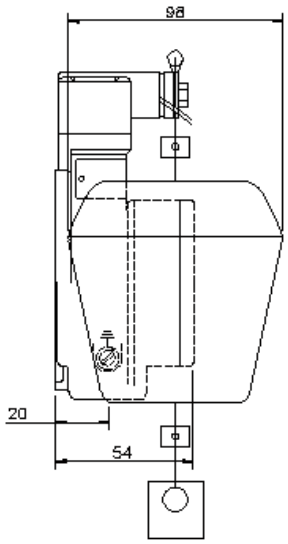
- Directive 2014/34/EU (ATEX)
- EN 60079-0 • EN 60079-1 EN 60079-31
- CE BVI 13 ATEX 0083
- IECEx: IEC 60079-0 • IEC 60079-1 IEC 60079-31
- IECEx EPS 13.0033

- Buoyant in Moplen, Cable in Nylon (2 m) and counterweight in Zinc plated Steel
- The limit switch may used in any position and the mechanical actuator rotated by 90° x 90°.
- Tags and screws in Stainless Steel.
- Information on available contacts: see pages D13 and D14.

Opzioni

- Stainless Steel version (see page I19).
- Cable entriy with metric thread M20x1,5 (M).
- Double counterweight.
- Stainless Steel AISI 304 counterweight/s and buoyant.





CHARACTERISTICS of the CONTACT ELEMENTS				
MODEL	**CONTACT TYPE**	**CONTACT**	**CURRENT (A)**	**VOLTAGE (V)**
PS 10AG	Single Pole	1NO+1NC	I_{max}=10 A	V_{max}=220 V AC/DC
PS 20AG	Double Pole	2NO+2NC	I_{max}=10 A	V_{max}=220 V AC/DC

- The rod can be adjusted in length and tilt.
- The switch is normally supplied with actuator acting in both directions (actuator with float left or right) to set one sole direction loose the screws of the turret beneath which there is a knurled ring: by pressing and rotating it 90 ° to the right or left the desired direction of actuation is set. Restore the turret.
- **Periodically verify the correct operation of the switch.**

NOTES

To read the installation and maintenance instructions is reccommended.

The temperature class T6/T85°C considers an Ambient Temperature (A.T.) extended up to +60°C, whereas class T5/T100°C considers an A.T. extended up to +80°C.

(*) For A.T. up to +40°C the max surface temperature is 65°C reducing the number of operations to 600/h.

Use screw-terminals for wiring. Max section wires 2.5 mm².

Order Coding

Example: PS 10AG N

Type	Contact Unit	Actuator	Threading
PS	**10** = Single Pole **20** = Double Pole	**AG**	**N** = NPT (N) **M** = metric (M)