



83123 Spherical cover 831230 Part number



IP 66 protection
Compact dimensions

Part numbers

	Type	Function	Connections
MADE TO ORDER	Standard 831230	I (changeover)	A05 VVF cable
MADE TO ORDER	Spherical cover 831230	I (changeover)	A05 VVF cable

Specifications

Electrical characteristics

Rating nominal / 250 V (A)	5
Rating thermal / 250 V (A)	12

Mechanical characteristics

Maximum operating force (N)	7,5
Min. Release force (N)	1,5
Maximum total travel force (N)	8
Max. permitted overtravel force (N)	30
Operating position (mm)	16,5 ^{+0,5}
Maximum differential travel (mm)	0,25
Min. overtravel (mm)	0,2
Ambient operating temperature (°C)	0 → +85
Mechanical life (operations)	2 x 10 ⁶
Contact gap (mm)	0,5
Weight (g)	50

Connections

Connection	Cable 3 x 0.75 mm ² in sheath Ø ext. 7.6 mm max. Standard length 0.50 m
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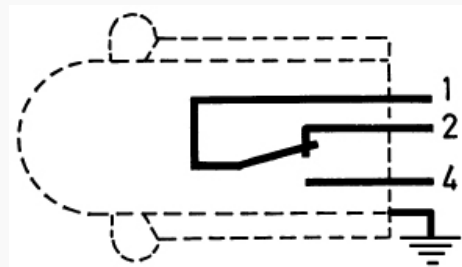
Comments

Common (1) : black
Normally closed (2) : brown
Normally open (4) : grey

Additional specifications

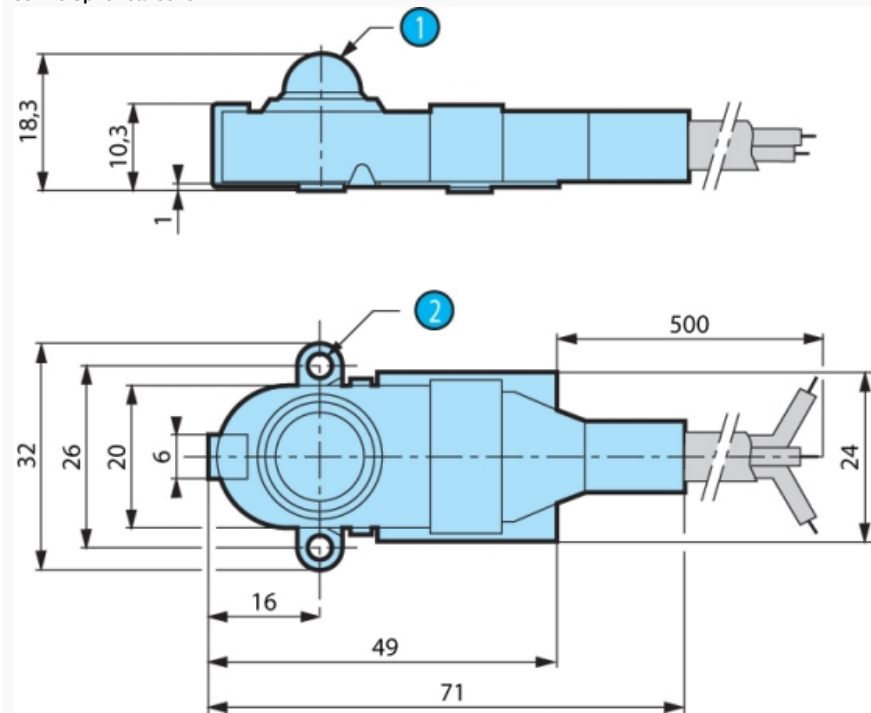
Components
Material
- Casing : nitrile
- Contacts : silver
- Contact holder : polyamide
- Mounting plate : passivated mild steel (zinc)

Principles



Dimensions (mm)

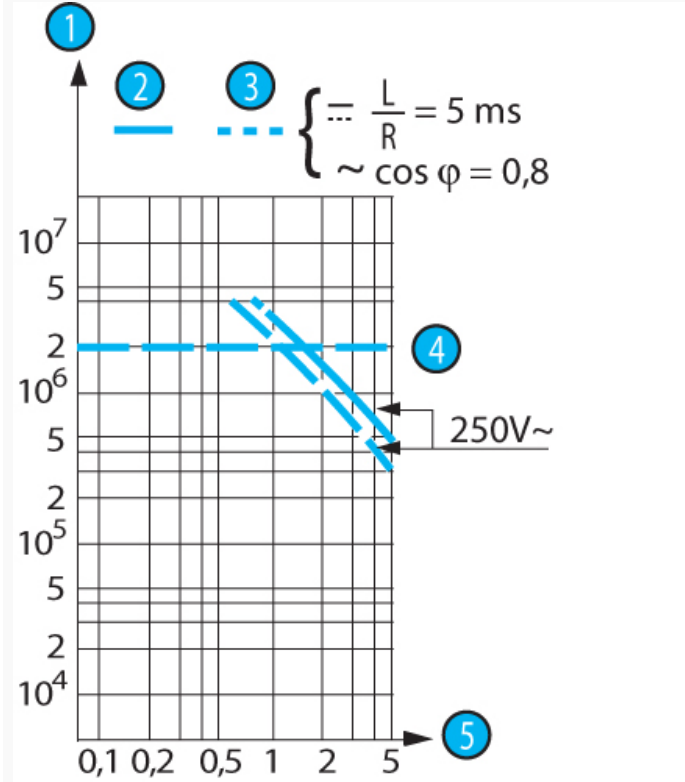
83 123 Spherical cover



N°	Legend
1	R6 spherical
2	2 holes Ø 3.2

Curves

Operating curve



N°	Legend
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①	Number of cycles
②	Resistive circuit
③	Inductive circuit
④	Mechanical life limit
⑤	Current in Amps

Other information

Mounting - Operation

In order to comply with basic safety requirements, an insulator must be used if the device is being operated manually.

One of the fixing holes must be used as a protective earth.

Product adaptations



- Special casing, leads, cables for specific environment

Mouser Electronics

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