

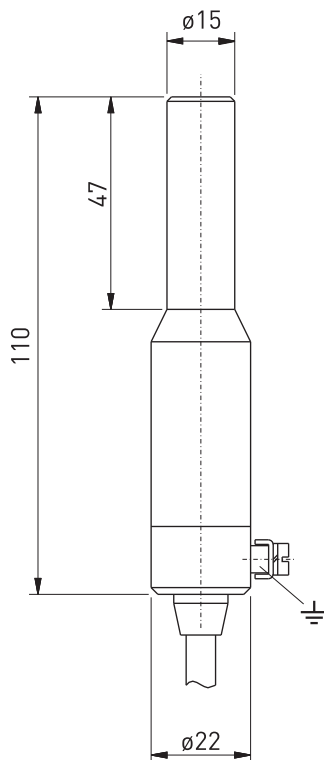
Ex magnetic sensors // EEx RC 15

Features/Options

- Ex zone 1 and 2, as well as 21 and 22
- Brass enclosure, nickeled
- Long life
- 1 Reed contact
- Actuation from front

- Switching distance up to 30 mm, depending on the actuating magnets
- With pre-wired cable, cable length 1 metre
- Special version only for equipment category 3G/D, gas Ex zone 2 and dust Ex zone 22 available
- Inmetro approval for Brazil to be ordered separately

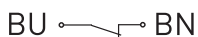
Dimensions



Contact variants

Actuation from front

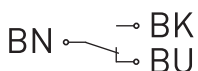
1 NC contact
EEx RC 15 1Ö



1 NO contact
EEx RC 15 1S



1 change-over contact
EEx RC 15 1W



Technical data

Standards	IEC 60947-5-2; EN 60079-0; EN 60079-18; EN 61241-0; EN 61241-1
Enclosure	brass, nickeled
Actuator	series M permanent magnet
Protection class	IP 67 according to EN 60529
Contact material	silver
Switching system	reed contacts
Contact types	NC contact, NO contact or change-over contact
Connection	cable, H05VV-F or Lappterm 145
Cable section	1NO, 1NC: 3 x 0.75 mm ² , 1CO: 4 x 0.75 mm ²
Cable length	1, 2 and 5 m
Switching voltage	250 V
Switching current	1.5 A
Switching capacity	1NC, 1CO: max.50 VA/W, 1NO: max.100 VA/W
Utilisation category	AC-15, DC-13
Bounce duration	0.3 ... 0.6 ms
Ambient temperature	H05VV-F: -20 °C ... +70 °C, Lappterm 145: -40 °C ... +70 °C
Mechanical life	> 1 million operations
Electrical life	10 ⁶ ... 10 ⁹ operations
Switching time »Close«	3.5 ... 4.5 ms
Switching time »Open«	0.2 ... 2.5 ms
Resistance to vibrations	1NO: 50 ... 100 g, 1NC, 1CO: 10 ... 50 g
Ex certification	II 2G EEx mb II T6, II 2D Ex tD A21 IP67 T80°C
Approvals	DMT 01 ATEX E 058 X



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