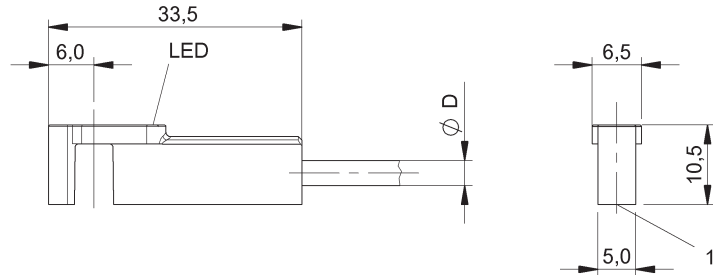


Reed switch (2 wires)

BMF 305K-R-US-L-3-05
Order code: BMF00CR



1) Active surface

- Reed switch (2 wires)
- AC / Normally open (NO)



General attributes

Approvals / Conformity	CE
Enclosure Type per IEC 60529	IP65
Function indicator	yes
Not incl. in scope of delivery	Mount.clamp, e.g. BMF305-HW-17
Polarity reversal protected	yes
Protection Class	II
Short circuit protected	no

Electrical attributes

Connection type	Cable
Eff. operating current I _e	86 mA
Eff. operating voltage U _e AC	115.0 V
Electrical version	UC, DC/AC
Minimum operating current I _m	3 mA
Operating voltage U _B max. AC [V]	240.0 V
Operating voltage U _B max. DC [V]	240.0 V
Operating voltage U _B min. AC [V]	6.0 V
Operating voltage U _B min. DC [V]	6.0 V
Rated frequency, AC	50...60 Hz
Rated insulation voltage U _i	250 AC
Recommended K-type SCP	Miniature fuse according IEC60127-2 Sheet 1, ≤ 2 A (quick/acting). Fuse must be in load line. Fuse must not be in outp. line.
Switching capacity of reed con	10 W
Switching freq. f max. (at U _e)	1000 Hz

Switching function
 Switching function UC-Reed
 Turn on time t_{on} max.
 Voltage drop static max.

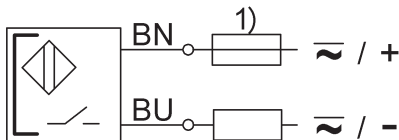
AC / Normally open (NO)
 DC / NO polarized
 0.70 ms
 5.0 V

Mechanical attributes

Ambient temperature T _a max.	70 °C
Ambient temperature T _a min.	-20 °C
Cable diameter D max.	3.3 mm
Cable jacket material	PVC
Cable length	5.00 m
Conductor cross-section	0.18 mm ²
Depth	9.10 mm
Height (small side)	5.00 mm
Housing material	LCP
Number of conductors	2
Sensing face material	LCP
Width (long side)	33.5 mm

Additional text

For inductive loads a protection circuit in accordance with DIN 43 235 must be used.
 Recommendation: After a short circuit check the device for proper function.
 Load capacity max. permissible: Permissible operating current may not be exceeded even for a short time.
 Max. pull force on cable 35 N.
 Permissible operating current: 128 mA at 24 V AC/DC; 41 mA at 240 V AC/DC



1) SC protection see E-Data