

# Proximity switch

Type 07-.211-..../....



The proximity switch, type 07-.211-..../...., is a magnetic operated switch, available with either normally closed (NC), normally open (NO) or changeover (CO) contacts.

The normal way of actuating the switch is to bring a permanent magnet into close proximity with the switch housing. As with any magnet reed switch, the proximity switch can be operated in many different ways using various magnet types.

The proximity switch has been designated as group II category 2 equipment and is suitable for installation in zone 1 and zone 2 gas hazardous areas and zone 21 and zone 22 dust hazardous areas providing that all conditions for safe use are complied with. The proximity switch carries a temperature classification of T6 for gas and T 80 °C for dust.

## Features

- Simple installation and commissioning
- Good use in humid and dirty environments
- Long lifetime

## Applications

- Position and limit switching
- Door switch
- Security

**Explosion protection**

ATEX/UKEX Ex protection type	Ex II 2 G Ex mb IIC T6 Gb Ex II 2 D Ex mb IIIC T80 °C Db IP 68
ATEX/UKEX certificate number	Baseefa05ATEX0159X/2
IECEX Ex protection type	Ex mb IIC T6 Gb Ex mb IIIC T80 °C Db IP68
IECEX certificate number	IECEX BAS 06.0020X
Service temperature	See page 3
Approved for zones	1, 2 and 21, 22

Other approvals and certificates, see [www.bartec.com](http://www.bartec.com)

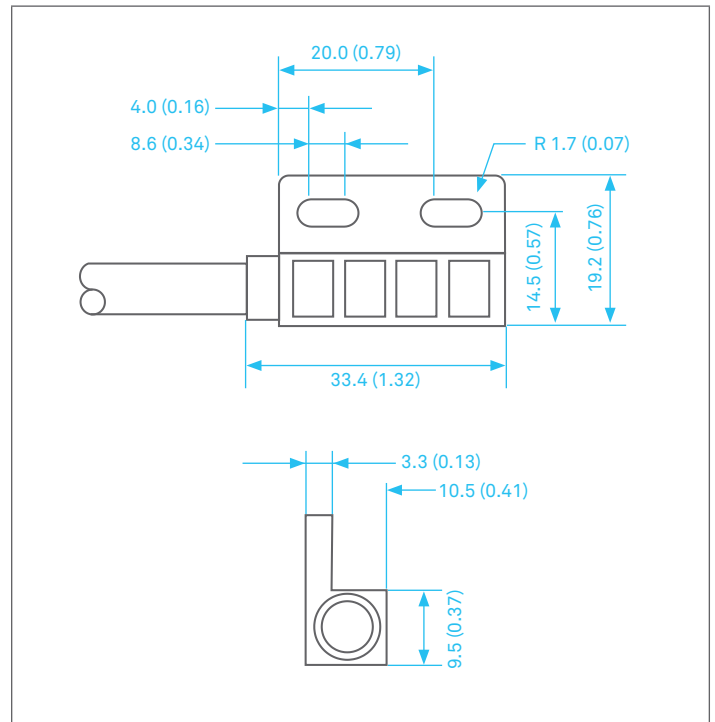
**Technical data**

Degree of protection	IP 68 (EN 60529)
Housing material	Celanex 3226
Contact form, cable end details	See page 3
Cable length, dimensions	See page 3
<b>Normally closed (NC) Type 07-2211-2*10</b>	
Contact rating	max. 5 VA/W
Switching voltage	max. 175 V AC/DC
Switching current	max. 0.25 A
Resistance	contact: max. 0.1 Ω insulation: min. 10 <sup>9</sup> Ω
Capacitance	1.0 pF
Operate time / release time	max. 0.7 ms / max. 1.0 ms
Shock resistance	vibration: max. 30 G shock: max. 50 G

<b>Normally open (NO) Type 07-2211-2*20</b>	
Contact rating	max. 10 VA/W
Switching voltage	max. 200 V AC/DC
Switching current	max. 0.5 A
Resistance	contact: max. 0.1 Ω insulation: min. 10 <sup>10</sup> Ω
Capacitance	0.2 pF
Operate time / release time	max. 0.6 ms / max. 0.2 ms
Shock resistance	vibration: max. 30 G shock: max. 100 G

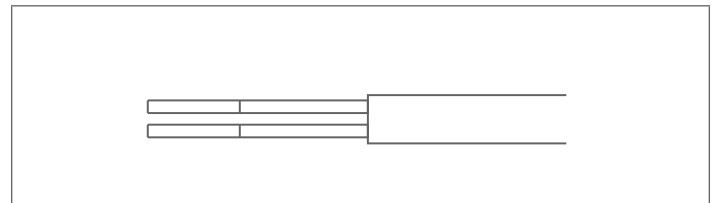
<b>Changeover (CO) Type 07-2211-2*30</b>	
Contact rating	max. 5 VA/W
Switching voltage	max. 175 V AC/DC
Switching current	max. 0.5 A
Resistance	contact: max. 0.1 Ω insulation: min. 10 <sup>9</sup> Ω
Capacitance	1.0 pF
Operate time / release time	max. 0.7 ms / max. 1.0 ms
Shock resistance	vibration: max. 4 G shock: max. 50 G

**Dimensions in mm (in)**

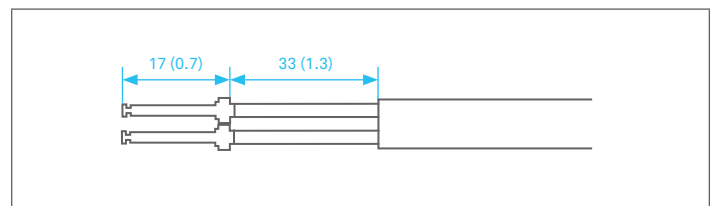


**Cable end details**

Tinned ends



**With crimp sockets AMP 170361-3**



**Selection chart**

Type	Contact form	Cable length	Core	Core colour	Service temperatur range
285557	normally open	5 m (16.4 ft)	2 x 0.5 mm <sup>2</sup> tinned ends	blue and brown	-40 °C to +55 °C (-40 °F to +131 °F)
301800	normally open	1.75 m (5.75 ft)	2 x 0.5 mm <sup>2</sup> tinned ends	blue and brown	
277330	normally open	3 m (9.8 ft)	2 x 0.5 mm <sup>2</sup> tinned ends	blue and brown	
246113	normally closed	3 m (9.8 ft)	2 x 0.34 mm <sup>2</sup> crimp sockets	black and brown	
246111	normally closed	5 m (16.4 ft)	2 x 0.34 mm <sup>2</sup> crimp sockets	black and brown	-40 °C to +70 °C (-40 °F to +158 °F)
246110	normally closed	4.3 m (14.1 ft)	2 x 0.34 mm <sup>2</sup> crimp sockets	black and brown	
246104	normally closed	3.7 m (12,1 ft)	2 x 0.34 mm <sup>2</sup> crimp sockets	black and brown	
246103	normally closed	1.5 m (4.9 ft)	2 x 0.34 mm <sup>2</sup> crimp sockets	black and brown	

**Complete order no.**



A	Length of connection cable	BB	Contact type
1	1 m	10	Normally closed (NC)
3	3 m	20	Normally open (NO)
5	5 m	30	Changeover (CO)
0	please specify other length in plain text		

Other types on request.