

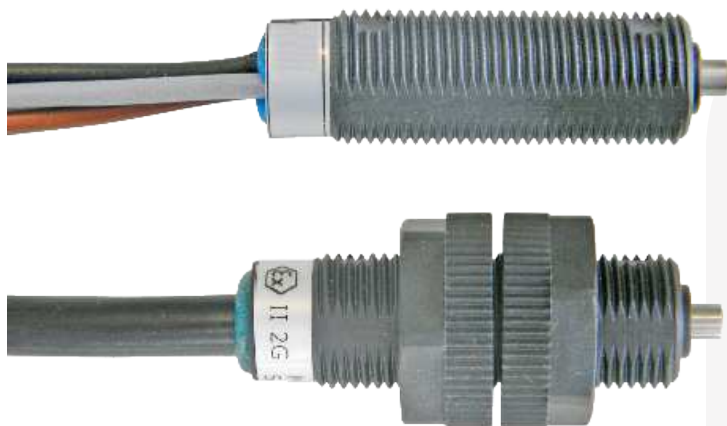
# EX D MICROSWITCH M12 TYPE AS1

Zones 1, 2

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## ATEX LIMIT SWITCHES

## ZONES 1, 2 (gas)



The cylindrical M12 microswitches are used in potential explosive atmospheres zone 1/2, wherever the switching status must be recorded accurately without using an additional intrinsically safe amplifier.

Because of the goldplated contacts, the M12 microswitches can also directly connected to intrinsically safe circuits. Due to the cylindrical design, they can be precisely adjusted by the M12x1 fine thread or can be installed in the usual mounting kits for inductive proximity switches of the size M12.



EU-Type Examination Certificate

### ITEM REFERENCES

Designation:	Wire / Cable Length:	Item No.:
For use installed inside separate certified enclosures with single cores; 3x 0,5 mm <sup>2</sup>		
	AS1-A7-500028	Single wires 14 cm
	AS1-A7-500024	Single wires 16 cm
	AS1-A7-500025	Single wires 26 cm
	AS1-A7-500026	Single wires 1 m
For direct installation on machines with cable 3 x 0,5 mm <sup>2</sup>		
	AS1-L7-500027	Cable 3 m
	AS1-L7-500030	Cable 5 m
	AS1-L7-500031	Cable 10 m

### TECHNICAL SPECIFICATIONS

Marking:	II 2G Ex db IIC T6 Gb	
Certificate:	EU-Type Examination Certificate	Contacts:
Material:	Glass fiber reinforced polyamide	1 = brown "C"
Switch contact:	1 Changeover	2 = black "NC"
Mechanical life time:	200.000 operations	4 = grey "NO"
Operating temperature:	up to 4 A: -20°C to +60°C from 4 to 5 A: -20°C to +40°C	
Design:	Cylindrical design M12x1. Length 38 mm (without actuator)	
Variants:	with single core 3 x 0,5 mm <sup>2</sup> with cable 3 x 0,5 mm <sup>2</sup>	
Ingress protection:	min. IP54	

### CONTACT ELEMENT

Switching voltage AC 250 V	SWITCHING CURRENT		
	5 A / AC-12	4 A / AC-12	1 A / AC-13/15
Switching voltage DC 24 V	SWITCHING CURRENT		
	5 A / DC-12	4 A / DC-12	0,6 A / DC-13
Operating force:	1,7 N		
Electr. life time:	2 x 10 <sup>6</sup>		
Contact:	Goldplated silver		
Switching frequency:	max. 5/s		
Vibration resistance:	10g (500 Hz) (EN60068-1-6)		