

Microswitches MS ***

Type of Explosion Protection:

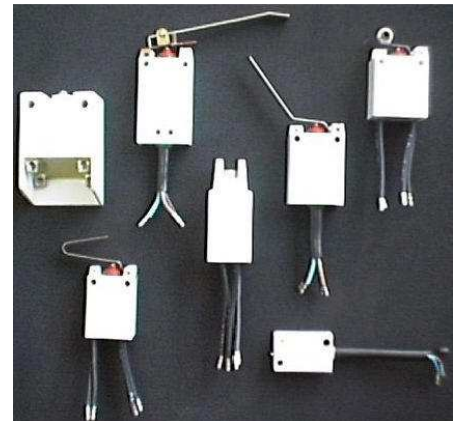
 I M2 EEx d(e) I

Degree of Enclosure Protection:

Min. IP 54

EC-Type Examination Certificate:

IBExU 03 ATEX 1224 X



Description

- Usable as auxiliary switches in load, signal, regulation and control circuits
- Fracture-proof enclosure with one or two galvanically isolated snap-action contacts working as NC-, NO- or CO-contacts (normally closed, normally open, changeover)
- Some types achieve IP 67 according to DIN EN 60529

Technical Specifications

Switching Capacity in Resistive Circuits:

MS 21./.	AC:	250V / 7 A	125V / 7A
	DC:	125V / 0.5A	250V / 0.25A
MS 11./..to MS 14./..	AC:	250V / 5 A	125V / 6A
	DC:	30V / 2A	250V / 0.4A
MS 151./.	AC:	250V / 7A	
	DC:	250V / 0.25A	

Mechanical Life: Min. 10⁷ operations

Operating Temperature of Snap-Action Contacts: -20°C to +125°C and
-40°C to +85°C

Dimensions: Acc. to data sheet

Connection: Cables or leads being fixed components of the switch;
or terminals (type MS 14./..)

Accessories: Levers of different designs,
e. g. roller, over-travel or specially designed levers etc.



MS 21.-2...



MS 11.-3...



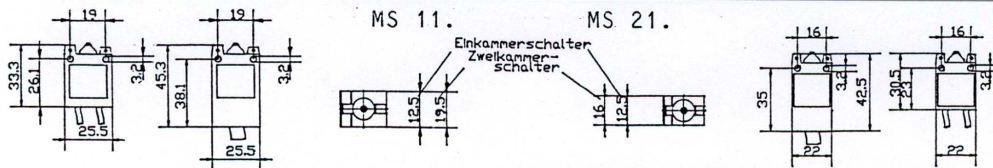
MS 151-1...

EEx d I- Microswitches with Connecting Cables/Connecting Lead

Type of Explosion Protection:  I M2 EEx d I

Degree of Enclosure Protection: Min. IP 54

Ambient Temperature: -20°C to +40°C or +75°C



Schaltglieder			Zusatzbetätiger			
Kontakt-kammer 1	Kontakt-kammer 2	Kenn-ziffer	ohne Zusatzbetätiger	00		
			Hebelbreite 5x0.5 mm	Hebelbreite 6x0.8 mm		
		A0				
		B0				DH
		C0				DI
		D0				DI
		AA				DK
		BB				DK
		CC				FA
		DD				FB
		AB				FC
		AC				FD
		AD				FF
		BC				FF
		BD				GC
		CD				GC
						HA
						HB

Bestellschlüssel

Adern/Leitung

0 = mit Anschlußadern (600mm)

1 = mit Anschlußleitung (3m)

2 adrig Ø - 5,6-6,3 mm
3 adrig Ø - 6 - 7 mm
4 adrig Ø - 7 - 7,3 mm
6 adrig Ø - 7,6-8 mm

MS 11.

MS 21.

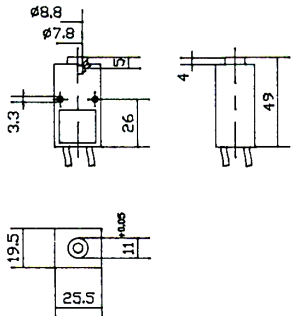
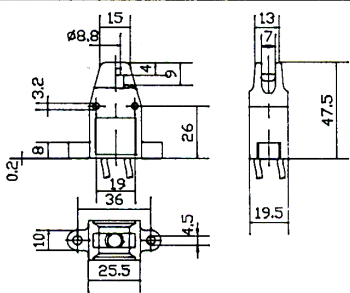
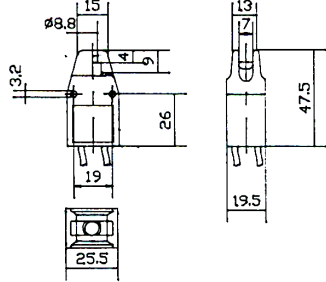
Sonderausführungen
auf Anfrage

EEx d I-Microswitches with Connecting Cables

Type of Explosion Protection:  I M2 EEx d I

Degree of Enclosure Protection: Min. IP 54

Ambient Temperature: -20°C to + 40°C or +75°C

Schaltglieder			Betätigungsart		Abmessungen
Kontakt-kammer 1	Kontakt-kammer 2	Kenn-ziffer	Ausführungen	Kenn-ziffer	
		A0	Stiftbetätigung MS 13.	IO	
		B0			
		C0			
		D0			
		AA	Messerbetätigung mit Befestigungsfüßen MS 12.	MM	
		BB			
		CC			
		DD			
		AB	Messerbetätigung ohne Befestigungsfüße MS 12.	MO	
		AC			
		AD			
		BC			
		BD			
		CD			

Bestellschlüssel

MS 13.
MS 12.

/ 0 / /

Sonderausführungen
auf Anfrage

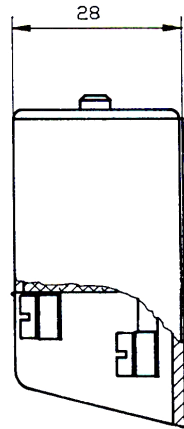
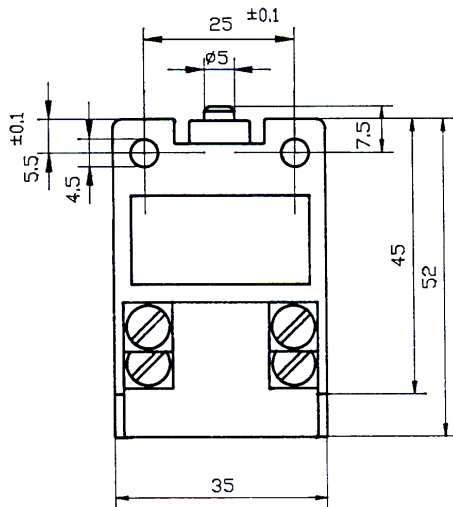
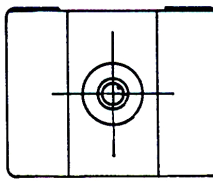
mit Anschlußadern (600mm)

EEx de I-Microswitches with Terminals

Type of Explosion Protection:  I M2 EEx de I

Degree of Enclosure Protection: Min. IP 54

Ambient Temperature: -20°C to + 40°C or +75°C

Schaltglieder			Abmessungen	
Kontakt-kammer 1	Kontakt-kammer 2	Kenn-ziffer		
		AA		
		BB		
		AB		
		C0		
				

Bestellschlüssel

MS 14. / 

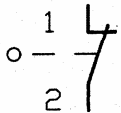
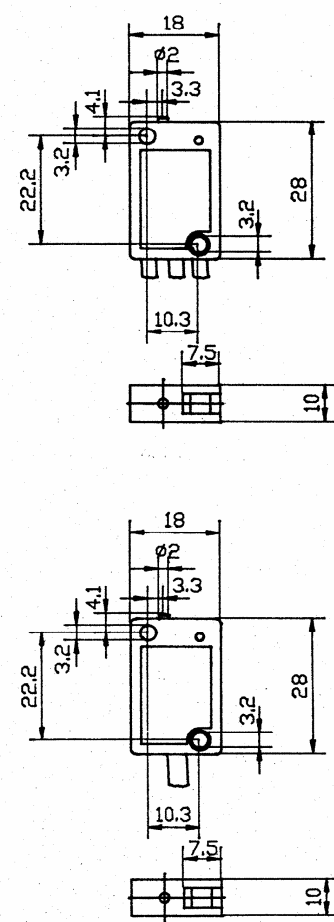
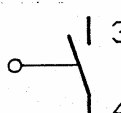
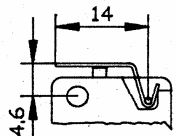
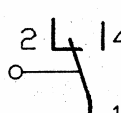
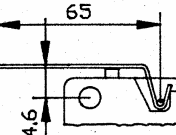
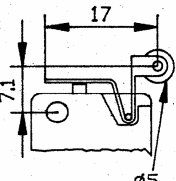
Sonderausführungen
auf Anfrage

EEx d I-Microswitches with Connecting Cables/Connecting Lead

Type of Explosion Protection:  I M2 EEx d I

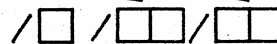
Degree of Enclosure Protection: Min. IP 54

Ambient Temperature: -20°C to + 40°C or +75°C

Schaltglieder		Zusatzbetätiger		Abmessungen
Silber- kontakte	Kenn- ziffer	Hebelbreite 4x0,5 mm		
	A0	ohne Zusatzbetätiger	00	
	B0		0D	
	C0		0E	
Farbige Markierungen der Adern nur bei Anschlußleitung			FE	

Bestellschlüssel

MS 151



Sonderausführungen
auf Anfrage

- 0 = mit Anschlußadern (600 mm)
- 1 = mit Anschlußleitung (1 m)
- 2 adrig Ø ~ 5,6-6,3 mm
- 3 adrig Ø ~ 6 - 7 mm

Type Identification Key

MS

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