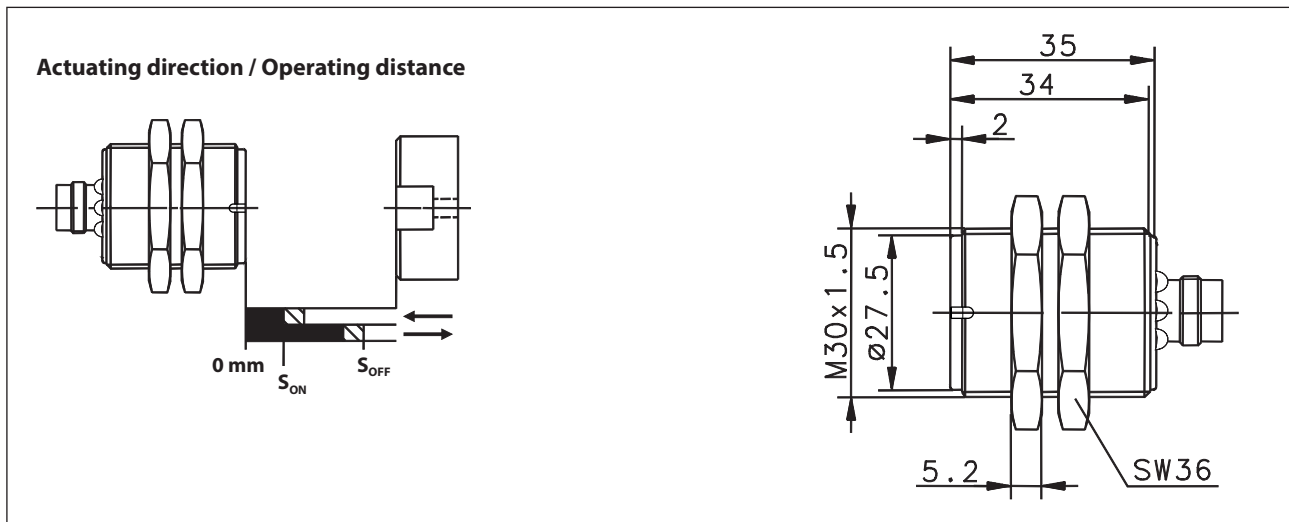


Magnetic Switch Series MA-53-ASI

Description **ASI MAK 53 ST**

Article number **6073200092**



Technical Data				
Assured operating distance	S_{ON}	min. 6 mm	typ. 7 mm	max. -
Release point	S_{OFF}	-	-	18 mm
Reference magnet	TK-43-CD/2 (6402043064), alternative TN-43-CD/2 (6408043065)			
Mechanical life	3 x 10 ⁸ Schaltungen			
Repeat accuracy	R	± 0,1 mm (bei gleichen geometrischen Verhältnissen und gleicher Temperatur)		
Frequency of actuation	1 Hz			

Electrical data		
Operating voltage	U	18 ... 31,6 V; via AS-interface, reverse-polarity proof
Operating current	I	< 40 mA
AS-i Specifications	Profile S-0.B	
	IO-Code:	0x0 ID-Code: 0xB
	ID-Code1:	0xF ID-Code2: 0xE
AS-i Inputs	Contact 1: Date bits D0/D1 = static 00 or dynamic code transmission Contact 2: Date bits D2/D3 = static 00 or dynamic code transmission	
Parameter bits	no function	
AS-i Adresse	preset address: 0	
Protection class	II, totally insulated	

Mechanical data	
Enclosure	PA 6, red
Indication	3 LEDs (for diagnosis)
Ambient air temperature	-5 °C ... +70 °C
Protection class	IP 67 acc. to IEC 529, EN 60529 (only in fully locked position with its plugs)
Connection	M12-connector male
Plug connection	1: AS-i +, 2: free, 3: AS-i -, 4: free
Installation position	operator definable
Pollution degree	3 acc. to EN 60947-1

Standards	
	VDE 0660 T100, DIN EN 60947-1, IEC 60947-1
	VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1
	EN ISO 13849-1
	IEC/EN 61508, EN 60947-5-3

EU Conformity	
	acc. to directive 2006/42/EC (Safety-of-Machinery-Directive)
	acc. to directive 2014/30/EU (EMC-Directive)

Safety Classification	
	according 13849-1 to PL e
	MTTFd acc. to EN ISO 13849-1: high
	PFD acc. to EN 61508 : $4,79 * 10^{-9}$

Notes	
<p>These Gerber-systems provide with respect to the actuation a high manipulation protection and are not to operate with simple equipment such as depolarized magnets.</p> <p>The Gerber- units are impact- and shock free to actuate.</p> <p>Pay attention to the Installation and Operating Instructions.</p>	