

MAGNETIC FIELD SENSOR

MFS103SKHC

Order no.	MFS103SKHC
General data	
Certification	CE
Basic standard	IEC 60947-5-2
Protection to IEC 60529	IP67
Function display	Yes
Protected against polarity reversal	Yes
Short-circuit-proof	Yes
Electrical data	
Fixing types	Cable/Connector M8
Effective operating voltage [V DC]	24
Rated insulation voltage [V DC]	75
Load current capacity [mA]	100
Rated short circuit current [A]	100
Rated switching field strength [kA/m]	1.2
Supply voltage min. [V DC]	10
Supply voltage max. [V DC]	30
Turn on time max. [ms]	0.07
Electrical version	DC, direct current
Assured switching field streng [kA/m]	2
Hysteresis of %	45
Load capacitance max. [μ F]	1.00
No-load current damped max. [mA]	8.0
Max. no-load current undamped [mA]	5.0
Ripple max. [%]	15
Switching output	PNP
Switching frequency [Hz]	7000
Switching function	Normally open (NO)
Voltage drop [V]	2.5
Mechanical data	
Width [A] [mm]	5.0
Housing Material	LCP
Height (small side) [mm]	3.0
Cable- \emptyset D [mm]	2.5
Cable length [m]	0.3
Connector type	M8x1
Temperature drift of the switch-on point of [%/°C]	0.3
Depth [mm]	16.0
Ambient temperature range [°C]	-25 ... +85
Active surface material	LCP
Cable sheath material	PUR

