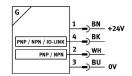
Position transmitter SDAS-MHS-M40-1L-PNLK-PN-E-0.3-M8

FESTO

Part number: 8063974





Data sheet

General operating condition

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ning element function N/C o	mm
	NP or 2x NPN adjustable
	contact/N/O contact switchable
ne < 4 ms	ns
n-off time <4 ms	ns
switching frequency 125 H	Hz
switching output voltage DC 30 V	l
output current 50 m	nA
switching capacity DC 1.5 W	W
ge drop <0.5 \	V
l linearity error ±1 mi	nm
circuit protection yes	
pad protection Avail	ilable
iol I-Port IO-Liu	
k®, protocol version Devic	ice V 1.1
k®, profile Smar	art sensor profile

Feature	Value
IO-Link®, function classes	Process data variable (PDV) Identification Diagnostics Teach channel Switching signal channel (SSC)
IO-Link®, communication mode	COM2 (38,4 kBd)
IO-Link®, SIO mode support	Yes
IO-Link®, port class	A
IO-Link®, process data width IN	2 Byte
IO-Link®, process data content IN	12 bit PDV (position measurement) 4 bit SSC (switching signal)
IO-Link®, minimum cycle time	2.5 ms
DC operating voltage range	10 V 30 V
Residual ripple	10 %
Idle current	<12 mA
Reverse polarity protection	for all electrical connections
Electrical connection 1, connection type	Cable with plug
Electrical connection 1, connection technology	M8x1 A-coded as per EN 61076-2-104
Electrical connection 1, number of pins/wires	4
Electrical connection 1, type of mounting	Screw-type lock
Electrical connection for input 1, connection pattern	00991171
Connection outlet orientation	Longitudinal
Material of pin contacts	Copper alloy, gold-plated
Connector cable test conditions	Flexural strength: as per Festo standard Torsion resistance: > 300,000 cycles, ±270°/0.1 m Energy chain > 5 million cycles, bending radius 28 mm
Cable length	0.3 m
Cable characteristic	Suitable for energy chains/robot applications
Color cable sheath	Gray
Material of cable sheath	TPE-U(PUR)
Type of mounting	Can be inserted in slot from above
Mounting position	Any
Product weight	9.5 g
Housing material	High-alloy stainless steel
Material of union nut	Brass, nickel-plated
Switching status indication	LED yellow
Status indicator	LED red
Setting options	IO-Link® Capacitive pushbutton
Ambient temperature with flexible cable installation	-20 °C 70 °C
Degree of protection	IP65 IP68
LABS (PWIS) conformity	VDMA24364-B2-L
Suitability for the production of Li-ion batteries	Suitable for battery production with reduced Cu/Zn/Ni values (F1a)
Cleanroom class	Class 4 according to ISO 14644-1