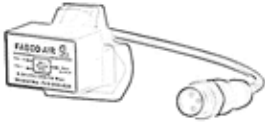


# Proximity Sensor

## SDBF-FDS-1L-NU-K-N-M12

Part number: 8161170

FESTO



## Data sheet

Feature	Value
Design	Block design
Materials note	Conforms to RoHS
Measured variable	Position
Measuring principle	Magneto-resistive
Ambient temperature	-20 ... 80 °C
Ambient temperature Fahrenheit	-4 ... 176 °F
Switch output	NPN
Switching element function	Normally open contact
Switch-on time	1.5 µs
Switch-off time	0.5 µs
Max. output current	1 A
Max. contact rating DC	24 W
Voltage drop	0.5 V
Short circuit strength	No
Operating voltage range DC	6 ... 24 V
Polarity protected	No
Electrical connection 1, connection type	Cable with socket
Electrical connection 1, connection technology	M12x1, A-coded in accordance with EN 61076-2-101
Electrical connection 1, number of pins/wires	3
Connector exit direction	Lateral
Cable sheath color	Grey
Material cable sheath	PVC
Mounting type	Clamped
Assembly position	Any
Housing color	Black
Material housing	PA
Operating status display	LED
Ambient temperature with flexible cable installation	-4 ... 176 °F
Protection class	IP67 NEMA 4
PWIS conformity	VDMA24364 zone III