

**inductive sensors (high temperature)**

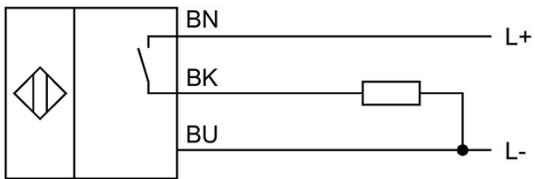
Inductive proximity switches are contact-free sensors. They detect all conductive metals, regardless of whether they move or not. The achievable sensing range of the devices depends on the object material and its dimensions. The vibration-resistant sensors can be approached laterally or frontally. Inductive proximity switches are used for presence detection (e.g. goods carriers), positioning (e.g. dampers), counting (e.g. nuts /bolts), speed detection (e.g. for cog wheels), on conveyor systems (e.g. hose feedings) or distance measurements (e.g. press-in checking) of metallic objects.


**TECHNICAL DATA**

No load current	15mA
Switching distance	5mm
Ambient temperature (min/max)	0°C / 180°C
Ambient temperatures > -25°C	NO
Compression-resistant	NO
Construction type housing	Cylinder, screw-thread
Degree of protection (IP)	IP50
Devices for hose mounting	NO
High-pressure resistant sensors	NO
Increased ambient temperatures > 80°C	YES
Length of sensor	70mm
Material active area of sensor	Vectra®
Material housing	Metal
Material housing	Stainless steel 1.4305
Material of cable sheath	PTFE
Mechanical mounting condition for sensor	Concise
Metallic sensor surface	NO
Pitch thread	1mm
Ring-shaped sensors	NO
Rough ambient conditions	NO
Teflon housing	NO
Thread length	60mm
Thread size metric (M..)	18
Cable length	5m
Cascadable	NO
Connection to an amplifier	NO
Core cross section	0.22mm <sup>2</sup>
Correction factor (aluminium)	0.3
Correction factor (brass)	0.4
Correction factor (copper)	0.2
Correction factor (stainless steel)	0.7

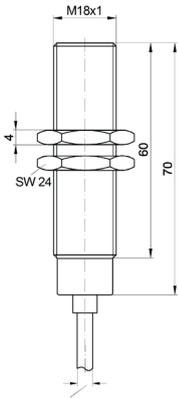
**TECHNICAL DATA**

Correction factor (steel)	1
Distance measuring sensors	NO
Double sensing range	NO
Hysteresis	15%
Increased sensing range	NO
Material independent sensors (factor 1)	NO
Max. output current	150mA
Number of cores	3
Quadruple sensing range	NO
Rated control supply voltage Us at DC (min/max)	10V / 35V
Relative repeat accuracy	3%
Residual ripple	10%
Response time	1.2ms
Reverse polarity protection	YES
Short-circuit-proof	YES
Standby delay	5ms
Suited for safety functions	NO
Supply voltage (min/max)	10V / 35V
Switching frequency	400Hz
Triple sensing range	NO
Type of electric connection	Cable
Type of switch function	Normally open contact
Type of switching output	PNP
Voltage drop	2V
Voltage type	DC
With LED indication	NO
With monitoring function downstream switching devices	NO
Areas inquiry	NO
End position inquiry hydraulic cylinder	NO
Feeding technology	NO
Hygienic and wet area	NO
Norm trimming plate	18x18x1
Oil and lubricating coolants	NO
Sensors uneffected by atmospheric changes (temperature cycle)	NO
Welding areas	NO
Welding proof sensors	NO

**CONNECTION**

**Colors:** BN (brown), BU (blue), BK (black)

**Functions:** BN = L+, BU = L-, BK = PNP NO

**DIMENSIONAL DRAWING****ADDITIONAL INFORMATION**