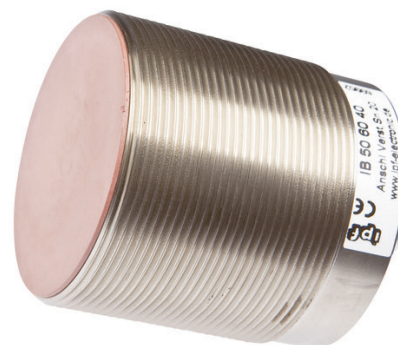


## IB506040

### INDUCTIVE SENSORS • ENLARGED AMBIENT 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.



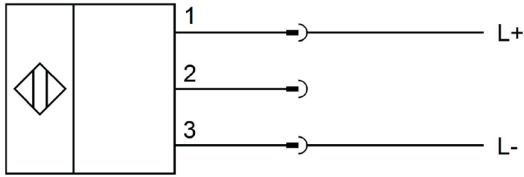
#### MECHANICAL DATA

Active area material of sensor	Vectra®
Ambient temperature (MAX)	230 °C
Degree of protection (IP)	IP65
Housing design	Cylinder, screw-thread
Housing material	Stainless steel 1.4305
Increased ambient temperatures > 80°C	Yes
Material of cable sheath	PTFE
Mechanical mounting condition for sensor	Flush
Pressure-proof	No
Sensor length	64 mm
Thread length	41 mm
Thread pitch	1.5 mm
Thread size, metric	50

#### ELECTRICAL DATA

Cascadable	No
Connection to amplifier	Yes
Hysteresis	15 %
IO-Link compatible	No
Norm measuring plate	50x50x1
Suitable for safety functions	No
Switching distance	20 mm
Switching frequency	150 Hz
Type of electrical connection	Lemosa-connector
Type of switching function	Amplifier
Type of switching output	Other
With monitoring function of downstream devices	No

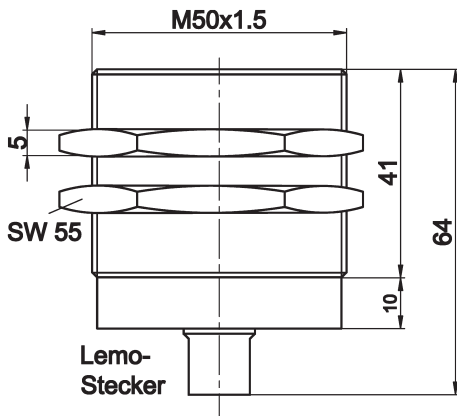
## CONNECTION



**Colors:** 1 = BN (brown), 3 = BK (black)

**Functions:** 1 = L+, 3 = L-

## DIMENSIONAL DRAWING



## INSTALLATION



Mounting / Installation may only be carried out by a qualified electrician!

## DISPOSAL



## SAFETY WARNINGS

Before initial operation, please make sure to follow all safety instructions that may be provided in the product information!