

**IN180157****INDUCTIVE SENSORS • INCREASED AMBIENT TEMPERATURE**

sensor inductive, M18x1 77long, Non-flush, Sn: 8, 10-35V DC, 130°C,  
PNP NO, Cable 10m Silicone, IP65, Stainless steel 1.4305

**MECHANICAL FEATURES**

Active area material of sensor	Vectra®
Alignment of cable entry	Axial
Ambient temperature	0 °C ... 130 °C
Cable infeed	Axial
Cable length	10 m
Degree of protection (IP)	IP65
Design	Cylinder, screw-thread
Housing material	Stainless steel 1.4305
Increased ambient temperatures > 80°C	+
Material of cable sheath	Silicone
Mechanical mounting condition for sensor	Non-flush
Pressure-proof	-
Sensor length	77 mm
Thread length	60 mm
Thread pitch	1 mm
Thread size, metric	18
Wire cross section	0.14 mm <sup>2</sup>

**ELECTRICAL FEATURES**

Cascadable	-
Correction factor (aluminum)	0.3
Correction factor (brass)	0.4
Correction factor (copper)	0.2
Correction factor (St37)	1
Correction factor (stainl. steel)	0.7
Hysteresis	15 %
No-load current	15 mA
Norm measuring plate	18x18x1
Rated switching current	150 mA
Readiness delay	5 ms
Relative repeat accuracy	3 %
Residual ripple	10 %
Response time	1.2 ms

## ELECTRICAL FEATURES

Reverse polarity protection	+
Short-circuit protection	+
Suitable for safety functions	-
Supply voltage	10 V ... 35 V
Switching distance	8 mm
Switching frequency	400 Hz
Type of electrical connection	Cable
Type of switching function	Normally open contact
Type of switching output	PNP
Voltage drop	2 V
Voltage type	DC
With LED display	+
With monitoring function of downstream devices	-

## Other

Packaging dimensions	124.0mm x 35.0mm x 149.0mm
Shipping weight	0.31kg
Tariff code	85365019

## Classification

ipf product group	202
eClass 8.0	27270101
eClass 9.0	27270101
eClass 9.1	27270101
ETIM-5.0	EC002714
ETIM-6.0	EC002714
ETIM-7.0	EC002714

## Connection



