

KN320420
CAPACITIVE SENSORS • NORM SWITCHING DISTANCE

sensor capacitive, M32x1.5 82long, Non-flush, Sn: 1-40, 10-35V DC, 100°C, 2x PNP Anticoincidence, Connector M12, IP67, Brass, LED, Manual adjustment


MECHANICAL FEATURES

Active area material of sensor	Polytetrafluorethylene (PTFE)
Ambient temperature	-25 °C ... 100 °C
Degree of protection (IP)	IP67
Design	Cylinder, screw-thread
Housing material	Brass
Increased ambient temperatures > 80°C	+
Mechanical mounting condition for sensor	Non-flush
Pressure-proof	-
Sensor length	82 mm
Thread pitch	1.5 mm
Thread size, metric	32

ELECTRICAL FEATURES

Cascadable	-
No-load current	15 mA
Number of switching outputs	2
Rated control supply voltage U_s at DC	10 V ... 35 V
Rated switching current	250 mA
Reverse polarity protection	+
Setting procedure	Manual adjustment
Short-circuit protection	+
Suitable for safety functions	-
Supply voltage	10 V ... 35 V
Switching distance	25 mm
Switching distance	1 mm ... 40 mm
Switching frequency	50 Hz
Type of electrical connection	Connector M12
Type of switching function	Anticoincidence
Type of switching output	PNP
Voltage drop	2 V
Voltage type	DC
With LED display	+
With monitoring function of downstream devices	-

OTHER FEATURES

Level detection	+
Level detection of synthetic granules for injection molding machines	+

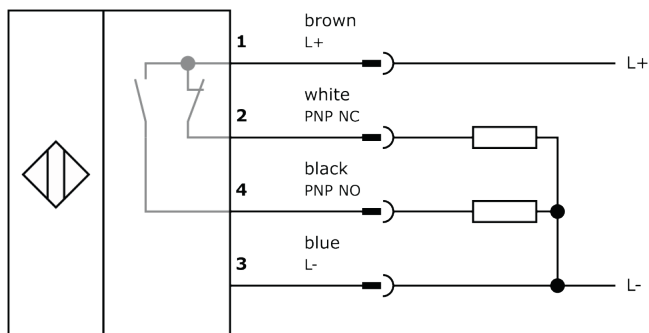
Other

Packaging dimensions	70mm x 40mm x 125.0mm
Shipping weight	0.24kg
Tariff code	85365019

Classification

ipf product group	243
eClass 8.0	27270102
eClass 9.0	27270102
eClass 9.1	27270102
ETIM-5.0	EC002715
ETIM-6.0	EC002715
ETIM-7.0	EC002715

Connection



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.

Never use these devices in applications where the safety of a person depends on their functionality.

LED lighting systems can generate intensive UV radiation, which can damage your eyes in case of improper use. The manufacturer cannot be held responsible for damages that result from improper use or connection.