XS518B1NBL2

inductive sensor XS5 M18 - L39mm - brass - Sn5mm - 12..24VDC - cable 2m



Product availability: Non-Stock - Not normally stocked in distribution facility



Main

Series name General purpose Sensor type Inductive proximity sensor Device application - Sensor name XS5 Sensor design Cylindrical M18 Size 39 mm Body type Fixed Detector flush mounting acceptance Material Metal Type of output signal Discrete Wiring technique 3-wire [Sn] nominal sensing distance Discrete output function 1 NC Output circuit type DC Discrete output type NPN Electrical connection Cable Cable length 6.56 ft (2 m) [Us] rated supply voltage Switching capacity in mA = 200 mA DC with overload and short-circuit protection IP degree of protection IP68 double insulation conforming to IEC 60529 IP69K conforming to DIN 40050	Range of product	OsiSense XS
Device application Sensor name XS5 Sensor design Cylindrical M18 Size 39 mm Body type Fixed Detector flush mounting acceptance Material Metal Type of output signal Wiring technique Size Sensor design Flush mountable Additional Metal Type of output signal Discrete Wiring technique Sensing distance Discrete output function Discrete output function Discrete output function TNC Output circuit type DC Discrete output type NPN Electrical connection Cable Cable length 6.56 ft (2 m) [Us] rated supply voltage Switching capacity in mA Sensor design Flush mountable Flush mountable O.2 in (5 mm) TNC Output circuit type DC Discrete output type NPN Electrical connection Cable Cable length 6.56 ft (2 m) [Us] rated supply voltage Switching capacity in mA Switching capacity in mA IP degree of protection IP68 double insulation conforming to IEC 60529	Series name	General purpose
Sensor name XS5 Sensor design Cylindrical M18 Size 39 mm Body type Fixed Detector flush mounting acceptance Material Metal Type of output signal Discrete Wiring technique 3-wire [Sn] nominal sensing distance Discrete output function 1 NC Output circuit type DC Discrete output type NPN Electrical connection Cable Cable length 6.56 ft (2 m) [Us] rated supply voltage Switching capacity in mA IP degree of protection IP68 double insulation conforming to IEC 60529	Sensor type	Inductive proximity sensor
Sensor design Cylindrical M18 Size 39 mm Body type Fixed Detector flush mounting acceptance Material Type of output signal Wiring technique [Sn] nominal sensing distance Discrete output function Discrete output type DC Discrete output type NPN Electrical connection Cable Cable length 6.56 ft (2 m) [Us] rated supply voltage Switching capacity in mA Electrocal conforming to IEC 60529 IP 68 double insulation conforming to IEC 60529	Device application	-
Size 39 mm Body type Fixed Detector flush mounting acceptance Material Metal Type of output signal Discrete Wiring technique 3-wire [Sn] nominal sensing distance Discrete output function 1 NC Output circuit type DC Discrete output type NPN Electrical connection Cable Cable length 6.56 ft (2 m) [Us] rated supply voltage Switching capacity in mA IP degree of protection IP68 double insulation conforming to IEC 60529	Sensor name	XS5
Body type Fixed Detector flush mounting acceptance Material Metal Type of output signal Discrete Wiring technique 3-wire [Sn] nominal sensing distance Discrete output function 1 NC Output circuit type DC Discrete output type NPN Electrical connection Cable Cable length 6.56 ft (2 m) [Us] rated supply voltage Switching capacity in mA IP degree of protection IP68 double insulation conforming to IEC 60529	Sensor design	Cylindrical M18
Detector flush mounting acceptance Material Metal Type of output signal Discrete Wiring technique 3-wire [Sn] nominal sensing distance Discrete output function 1 NC Output circuit type DC Discrete output type NPN Electrical connection Cable Cable length 6.56 ft (2 m) [Us] rated supply voltage Switching capacity in mA IP degree of protection IP68 double insulation conforming to IEC 60529	Size	39 mm
Acceptance Material Metal Type of output signal Discrete Wiring technique 3-wire [Sn] nominal sensing distance Discrete output function Output circuit type DC Discrete output type NPN Electrical connection Cable Cable length 6.56 ft (2 m) [Us] rated supply voltage Switching capacity in mA The degree of protection IP degree of protection Metal Metal Metal Metal Metal Action Discrete NPN 1 NC Output circuit type DC Discrete output type NPN Electrical connection Cable Cable Cable length 6.56 ft (2 m) [Us] rated supply voltage Switching capacity in mA IP degree of protection IP68 double insulation conforming to IEC 60529	Body type	Fixed
Type of output signal Discrete Wiring technique 3-wire [Sn] nominal sensing distance Discrete output function 1 NC Output circuit type DC Discrete output type NPN Electrical connection Cable Cable length 6.56 ft (2 m) [Us] rated supply voltage Switching capacity in mA Legal Cable insulation conforming to IEC 60529 IP degree of protection IP degree of protection Jessen Service Jessen Service	· ·	Flush mountable
Wiring technique 3-wire [Sn] nominal sensing distance Discrete output function 1 NC Output circuit type DC Discrete output type NPN Electrical connection Cable Cable length 6.56 ft (2 m) [Us] rated supply voltage Switching capacity in mA IP degree of protection IP68 double insulation conforming to IEC 60529	Material	Metal
[Sn] nominal sensing distance Discrete output function 1 NC Output circuit type DC Discrete output type NPN Electrical connection Cable Cable length 6.56 ft (2 m) [Us] rated supply voltage Switching capacity in mA	Type of output signal	Discrete
Discrete output function 1 NC Output circuit type DC Discrete output type NPN Electrical connection Cable Cable length 6.56 ft (2 m) [Us] rated supply voltage Switching capacity in mA	Wiring technique	3-wire
Output circuit type DC Discrete output type NPN Electrical connection Cable Cable length 6.56 ft (2 m) [Us] rated supply voltage Switching capacity in mA		0.2 in (5 mm)
Discrete output type NPN Electrical connection Cable Cable length 6.56 ft (2 m) [Us] rated supply voltage Switching capacity in mA	Discrete output function	1 NC
Electrical connection Cable Cable length 6.56 ft (2 m) [Us] rated supply voltage Switching capacity in mA	Output circuit type	DC
Cable length 6.56 ft (2 m) [Us] rated supply voltage 1224 V DC with reverse polarity protection age Switching capacity in mA	Discrete output type	NPN
[Us] rated supply voltage 1224 V DC with reverse polarity protection Switching capacity in capacity in mA	Electrical connection	Cable
age Switching capacity in	Cable length	6.56 ft (2 m)
mA tion IP degree of protection IP68 double insulation conforming to IEC 60529		1224 V DC with reverse polarity protection
0 1	. ,	·
	IP degree of protection	ğ

Complementary

Complementary	
Thread type	M18 x 1
Detection face	Frontal
Front material	PPS
Enclosure material	Nickel plated brass
Operating zone	00.16 in (04 mm)
Differential travel	115% of Sr
Cable composition	3 x 0.34 mm²
Wire insulation material	PvR
Status LED	1 LED (yellow) output state
Supply voltage limits	1036 V DC
Switching frequency	<= 2000 Hz
Voltage drop	<= 2 V, closed state
Current consumption	<= 10 mA (no-load)
Delay first up	<= 10 ms
Delay response	<= 0.15 ms
Delay recovery	<= 0.35 ms
Marking	CE
Threaded length	1.1 in (28 mm)
Height	0.71 in (18 mm)

Length	1.54 in (39 mm)
Product weight	0.26 lb(US) (0.12 kg)
Environment	
Product certifications	UL
	CSA
Ambient air temperature for operation	-13158 °F (-2570 °C)
Ambient air temperature for storage	-40185 °F (-4085 °C)
Vibration resistance	25 gn, amplitude: +/- 2 mm (f = 1055 Hz) conforming to IEC 60068-2-6

50 gn (duration = 11 ms) conforming to IEC 60068-2-27

Ordering and shipping details

Shock resistance

ordoning and omponing dotailo	
Category	22486 - SENSORS, PROXIMITY
Discount Schedule	DS2
GTIN	00785901518037
Nbr. of units in pkg.	1
Package weight(Lbs)	0.239999999999999
Returnability	N
Country of origin	FR

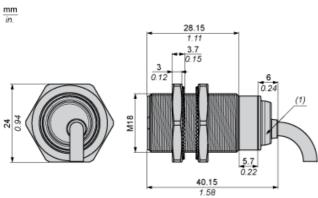
Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0813 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available
California proposition 65	WARNING: This product can expose you to chemicals including:
Substance 1	Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and
Substance 2	Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.
More information	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months
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Dimensions

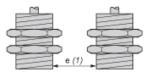


(1) LED

XS518B1NBL2

Minimum Mounting Distances

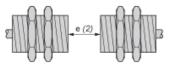
Side by side



e (1) 10 mm/0.39 in.

≥

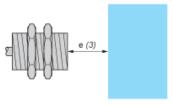
Face to face



e (2) 60 mm/2.36 in.

≥

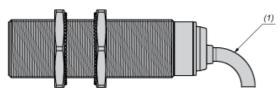
Facing a metal object



e (3) 15 mm/0.60 in

≥

Mounting

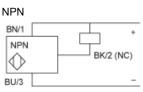


(1) Bending cable: 4 x external cable diameter

Product data sheet Connections and Schema

XS518B1NBL2

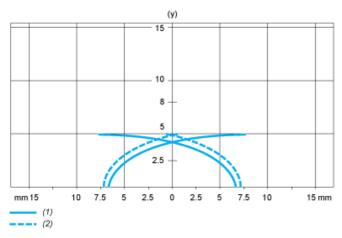
Wiring Schemes



BU : Blue BN : Brown BK : Black

Performance Curves

Standard Steel Target: 18x18x1 mm



- (1) Pick-up points(2) Drop-out points (object approaching from the side)
- (y) Sensing distance in mm

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