

Inductive Proximity Switch 3-Wire DC

Induktive Näherungsschalter 3-Leiter DC

non-flush
nicht bündig
M18×1 | 20 mm



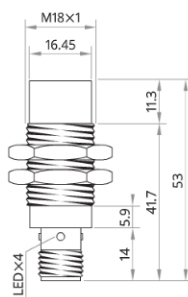
non-flush
nicht bündig
M18×1 | 20 mm



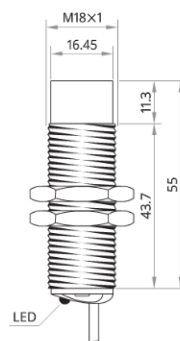
non-flush
nicht bündig
M18×1 | 20 mm



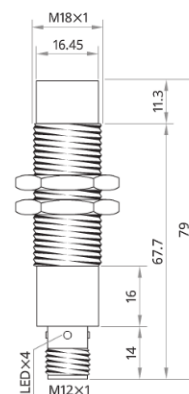
extended
erweitert



extended
erweitert



extended
erweitert



Sensing distance S_n	Schaltabstand S_n	20 mm		20 mm		20 mm	
Operating voltage	Betriebsspannung	10...30 V _{DC}		10...30 V _{DC}		10...30 V _{DC}	
Reverse polarity protection	Verpolungsschutz	built-in	integriert	built-in	integriert	built-in	integriert
Current consumption	Stromverbrauch	<8 mA		<8 mA		<8 mA	
Current load capability	Ausgangsbelaastbarkeit	200 mA		200 mA		200 mA	
Short circuit protection	Kurzschlussschutz	built-in	integriert	built-in	integriert	built-in	integriert
Voltage drop	Spannungsabfall	<1.5 V @ 200 mA		<1.5 V @ 200 mA		<1.5 V @ 200 mA	
Switching frequency	Schaltfrequenz	100 Hz		100 Hz		100 Hz	
Reduction factors	Reduktionsfaktoren	Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85		Alu 0.45 · Brs 0.50 · SS 0.85	
Operating temperature	Betriebstemperatur	-25...+75 °C		-25...+75 °C		-25...+75 °C	
Protection class	Schutzklasse	IP67		IP67		IP67	
Sensing face material	Sensorflächenwerkstoff	POM		POM		POM	
Housing material	Gehäusewerkstoff	brass	Messing	brass	Messing	brass	Messing
Switching indicator	Schaltanzeige	built-in	integriert	built-in	integriert	built-in	integriert
Connection	Anschluss	conn. M12 Stecker M12		PVC, ultra-flex		conn. M12 Stecker M12	
Article code PNP, NO	└─	IPS18-N20PO53-A12		IPS18-N20PO55-A2P		IPS18-N20PO79-A12	
Article code PNP, NC	└─	IPS18-N20PC53-A12		IPS18-N20PC55-A2P		IPS18-N20PC79-A12	
Article code PNP, NO+NC	└─+ └─						
Article code NPN, NO	└─	IPS18-N20NO53-A12		IPS18-N20NO55-A2P		IPS18-N20NO79-A12	
Article code NPN, NC	└─	IPS18-N20NC53-A12		IPS18-N20NC55-A2P		IPS18-N20NC79-A12	
Article code NPN, NO+NC	└─+ └─						

flush
bündig
M30×1.5 | 10 mm



flush
bündig
M30×1.5 | 10 mm



flush
bündig
M30×1.5 | 10 mm



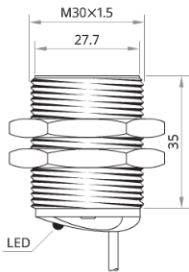
flush
bündig
M30×1.5 | 10 mm



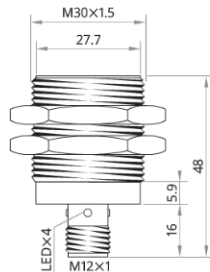
non-flush
nicht bündig
M30×1.5 | 15 mm



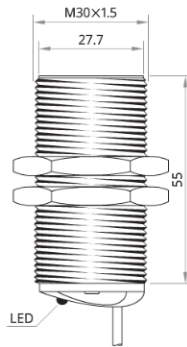
standard
Standard



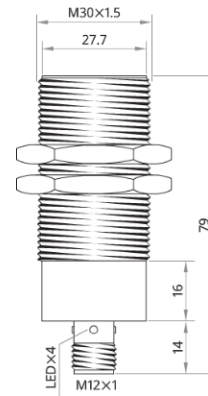
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Standard



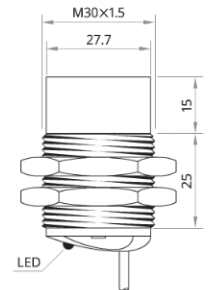
standard
Standard



standard
Standard



standard
Standard



10 mm	10 mm	10 mm	10 mm	15 mm
10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}	10...30 V _{DC}
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
<8 mA	<8 mA	<8 mA	<8 mA	<8 mA
200 mA	200 mA	200 mA	200 mA	200 mA
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
<1.5 V @ 200 mA	<1.5 V @ 200 mA	<1.5 V @ 200 mA	<1.5 V @ 200 mA	<1.5 V @ 200 mA
300 Hz	300 Hz	300 Hz	300 Hz	150 Hz
Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85	Alu 0.45 · Brs 0.50 · SS 0.85
−25...+75 °C	−25...+75 °C	−25...+75 °C	−25...+75 °C	−25...+75 °C
IP67	IP67	IP67	IP67	IP67
POM	POM	POM	POM	POM
brass Messing	brass Messing	brass Messing	brass Messing	brass Messing
built-in integriert	built-in integriert	built-in integriert	built-in integriert	built-in integriert
PVC, ultra-flex	conn. M12 Stecker M12	PVC, ultra-flex	conn. M12 Stecker M12	PVC, ultra-flex
IPS30-S10PO35-A2P	IPS30-S10PO48-A12	IPS30-S10PO55-A2P	IPS30-S10PO79-A12	IPS30-N15PO40-A2P
IPS30-S10PC35-A2P	IPS30-S10PC48-A12	IPS30-S10PC55-A2P	IPS30-S10PC79-A12	IPS30-N15PC40-A2P
IPS30-S10NO35-A2P	IPS30-S10NO48-A12	IPS30-S10NO55-A2P	IPS30-S10NO79-A12	IPS30-N15NO40-A2P
IPS30-S10NC35-A2P	IPS30-S10NC48-A12	IPS30-S10NC55-A2P	IPS30-S10NC79-A12	IPS30-N15NC40-A2P