

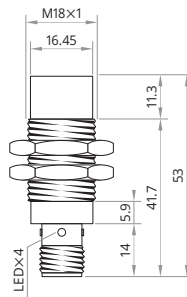
## Inductive Proximity Switch 3-Wire DC

## Induktive Näherungsschalter 3-Leiter DC

non-flush  
nicht bündig  
**M18×1 | 8 mm**



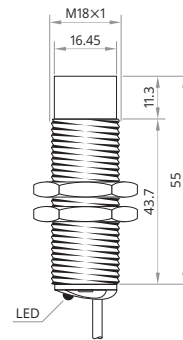
standard  
Standard



non-flush  
nicht bündig  
**M18×1 | 8 mm**



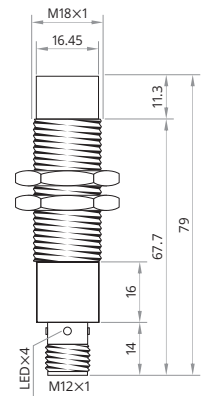
standard  
Standard



non-flush  
nicht bündig  
**M18×1 | 8 mm**



standard  
Standard



Sensing distance $S_n$	Schaltabstand $S_n$	8 mm		8 mm		8 mm	
Operating voltage	Betriebsspannung	10...30 V <sub>DC</sub>		10...30 V <sub>DC</sub>		10...30 V <sub>DC</sub>	
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	Ausgangsbelastbarkeit	200 mA		200 mA		200 mA	
Short circuit protection	Kurzschlusschutz	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	500 Hz		500 Hz		500 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-N8PO53-A12		IPS18-N8PO55-A2P		IPS18-N8PO79-A12	
Article code PNP, NC	└─	IPS18-N8PC53-A12		IPS18-N8PC55-A2P		IPS18-N8PC79-A12	
Article code PNP, NO+NC	┌─+└─						
Article code NPN, NO	┌─	IPS18-N8NO53-A12		IPS18-N8NO55-A2P		IPS18-N8NO79-A12	
Article code NPN, NC	└─	IPS18-N8NC53-A12		IPS18-N8NC55-A2P		IPS18-N8NC79-A12	
Article code NPN, NO+NC	┌─+└─						

semi-flush  
quasi-bündig  
**M18×1 | 12 mm**



semi-flush  
quasi-bündig  
**M18×1 | 12 mm**



semi-flush  
quasi-bündig  
**M18×1 | 12 mm**



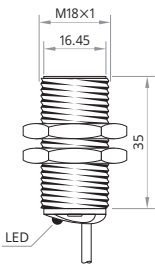
semi-flush  
quasi-bündig  
**M18×1 | 12 mm**



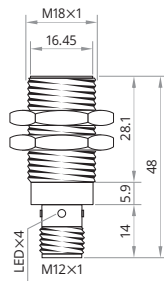
semi-flush  
quasi-bündig  
**M18×1 | 15 mm**



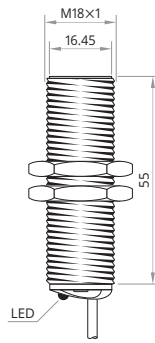
extended  
erweitert



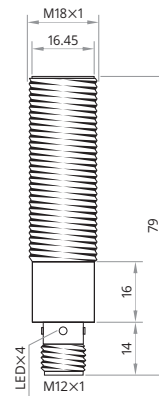
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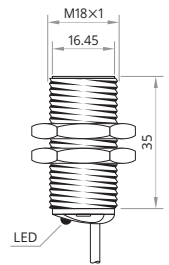
extended  
erweitert



extended  
erweitert



advanced  
Hochleistung



12 mm	12 mm	12 mm	12 mm	15 mm
10...30 V <sub>DC</sub>	10...30 V <sub>DC</sub>	10...30 V <sub>DC</sub>	10...30 V <sub>DC</sub>	10...30 V <sub>DC</sub>
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	300 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
IPS18-S12PO35-A2P	IPS18-S12PO48-A12	IPS18-S12PO55-A2P	IPS18-S12PO79-A12	IPS18-S15PO35-A2P
IPS18-S12PC35-A2P	IPS18-S12PC48-A12	IPS18-S12PC55-A2P	IPS18-S12PC79-A12	IPS18-S15PC35-A2P
IPS18-S12NO35-A2P	IPS18-S12NO48-A12	IPS18-S12NO55-A2P	IPS18-S12NO79-A12	IPS18-S15NO35-A2P
IPS18-S12NC35-A2P	IPS18-S12NC48-A12	IPS18-S12NC55-A2P	IPS18-S12NC79-A12	IPS18-S15NC35-A2P