

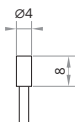
Inductive Proximity Switch 2-Wire DC NAMUR Intrinsically Safe

Induktive Näherungsschalter 2-Leiter DC NAMUR

flush
bündig
Ø4 mm | 0.8 mm



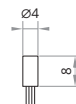
standard
Standard



flush
bündig
Ø4 mm | 0.8 mm



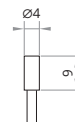
standard
Standard



flush
bündig
Ø4 mm | 0.8 mm



standard
Standard



Sensing distance S_n	Schaltabstand S_n	0.8 mm	0.8 mm	0.8 mm
Operating voltage	Betriebsspannung	6...12 V _{DC} , NAMUR	6...12 V _{DC} , NAMUR	6...12 V _{DC} , NAMUR
Reverse polarity protection	Verpolungsschutz	amplifier Verstärker	amplifier Verstärker	amplifier Verstärker
Current consumption	Stromverbrauch	>2.1 mA	>2.1 mA	>2.1 mA
Off-state current	Unbedämpfter Strom	<1.1 mA	<1.1 mA	<1.1 mA
Short circuit protection	Kurzschlusschutz	amplifier Verstärker	amplifier Verstärker	amplifier Verstärker
Voltage drop	Spannungsabfall	amplifier Verstärker	amplifier Verstärker	amplifier Verstärker
Switching frequency	Schaltfrequenz	2000 Hz	2000 Hz	2000 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	SS304 V2A	SS304 V2A	SS304 V2A
Switching indicator	Schaltanzeige	amplifier Verstärker	amplifier Verstärker	amplifier Verstärker
Connection	Anschluss	PUR, ultra-flex	PUR, ultra-flex	PUR, ultra-flex
Article code		IPSD4-S08NA8-N2U	IPSD4-S08NA8-20F2	IPSD4-S08NA9-N2U

flush
bündig
Ø4 mm | 0.8 mm



flush
bündig
Ø4 mm | 0.8 mm



flush
bündig
Ø4 mm | 0.8 mm



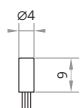
flush
bündig
M5 | 0.8 mm



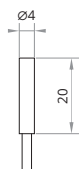
flush
bündig
M5 | 0.8 mm



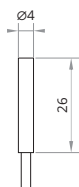
standard
Standard



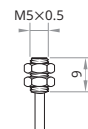
standard
Standard



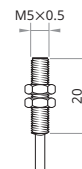
standard
Standard



standard
Standard



standard
Standard



0.8 mm	0.8 mm	0.8 mm	0.8 mm	0.8 mm
6...12 V _{DC} , NAMUR	6...12 V _{DC} , NAMUR	6...12 V _{DC} , NAMUR	6...12 V _{DC} , NAMUR	6...12 V _{DC} , NAMUR
amplifier Verstärker	amplifier Verstärker	amplifier Verstärker	amplifier Verstärker	amplifier Verstärker
>2.1 mA	>2.1 mA	>2.1 mA	>2.1 mA	>2.1 mA
<1.1 mA	<1.1 mA	<1.1 mA	<1.1 mA	<1.1 mA
amplifier Verstärker	amplifier Verstärker	amplifier Verstärker	amplifier Verstärker	amplifier Verstärker
amplifier Verstärker	amplifier Verstärker	amplifier Verstärker	amplifier Verstärker	amplifier Verstärker
2000 Hz	2000 Hz	2000 Hz	2000 Hz	2000 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
SS304 V2A	SS304 V2A	SS304 V2A	SS304 V2A	SS304 V2A
amplifier Verstärker	amplifier Verstärker	amplifier Verstärker	amplifier Verstärker	amplifier Verstärker
PUR, ultra-flex	PUR, ultra-flex	PUR, ultra-flex	PUR, ultra-flex	PUR, ultra-flex
IPSD4-S08NA9-20F2	IPSD4-S08NA20-N2U	IPSD4-S08NA26-N2U	IP55-S08NA9-N2U	IP55-S08NA20-N2U

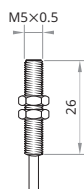
Inductive Proximity Switch 2-Wire DC NAMUR Intrinsically Safe

Induktive Näherungsschalter 2-Leiter DC NAMUR

flush
bündig
M5 | 0.8 mm



standard
Standard



flush
bündig
M8 | 1 mm



standard
Standard



non-flush
nicht bündig
M8 | 2 mm



standard
Standard



Sensing distance S_n	Schaltabstand S_n	0.8 mm		1 mm		2 mm	
Operating voltage	Betriebsspannung	6...12 V _{DC} , NAMUR		6...12 V _{DC} , NAMUR		6...12 V _{DC} , NAMUR	
Reverse polarity protection	Verpolungsschutz	amplifier	Verstärker	amplifier	Verstärker	amplifier	Verstärker
Current consumption	Stromverbrauch	>2.1 mA		>2.1 mA		>2.1 mA	
Off-state current	Unbedämpfter Strom	<1.1 mA		<1.1 mA		<1.1 mA	
Short circuit protection	Kurzschlusschutz	amplifier	Verstärker	amplifier	Verstärker	amplifier	Verstärker
Voltage drop	Spannungsabfall	amplifier	Verstärker	amplifier	Verstärker	amplifier	Verstärker
Switching frequency	Schaltfrequenz	2000 Hz		2000 Hz		1000 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	SS304	V2A	SS304	V2A	SS304	V2A
Switching indicator	Schaltanzeige	amplifier	Verstärker	amplifier	Verstärker	amplifier	Verstärker
Connection	Anschluss	PUR, ultra-flex		PVC, ultra-flex		PVC, ultra-flex	
Article code		IPSS-S08NA26-N2U		IPSD6-S1NA26-N2P		IPSD6-N2NA26-N2P	

flush
bündig
M8 | 1 mm



non-flush
nicht bündig
M8 | 2 mm



flush
bündig
M12 | 2 mm



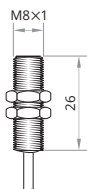
non-flush
nicht bündig
M12 | 4 mm



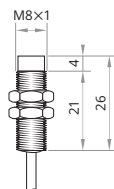
flush
bündig
M18 | 5 mm



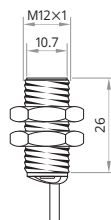
standard
Standard



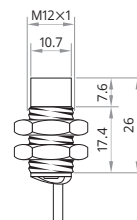
standard
Standard



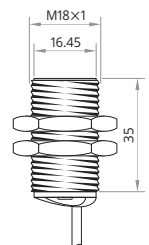
standard
Standard



standard
Standard



standard
Standard



1 mm	2 mm	2 mm	4 mm	5 mm
6...12 V _{DC} , NAMUR	6...12 V _{DC} , NAMUR	6...12 V _{DC} , NAMUR	6...12 V _{DC} , NAMUR	6...12 V _{DC} , NAMUR
amplifier Verstärker	amplifier Verstärker	amplifier Verstärker	amplifier Verstärker	amplifier Verstärker
>2.1 mA	>2.1 mA	>2.1 mA	>2.1 mA	>2.1 mA
<1.1 mA	<1.1 mA	<1.1 mA	<1.1 mA	<1.1 mA
amplifier Verstärker	amplifier Verstärker	amplifier Verstärker	amplifier Verstärker	amplifier Verstärker
amplifier Verstärker	amplifier Verstärker	amplifier Verstärker	amplifier Verstärker	amplifier Verstärker
2000 Hz	1000 Hz	1000 Hz	500 Hz	500 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
SS304 V2A	SS304 V2A	brass Messing	brass Messing	brass Messing
amplifier Verstärker	amplifier Verstärker	amplifier Verstärker	amplifier Verstärker	amplifier Verstärker
PVC, ultra-flex	PVC, ultra-flex	PVC, ultra-flex	PVC, ultra-flex	PVC, ultra-flex
IPS8-S1NA26-N2P	IPS8-N2NA26-N2P	IPS12-S2NA26-N2P	IPS12-N4NA26-N2P	IPS18-S5NA30-N2P

Inductive Proximity Switch 2-Wire DC NAMUR Intrinsically Safe

Induktive Näherungsschalter 2-Leiter DC NAMUR

non-flush
nicht bündig
M18 | 8 mm



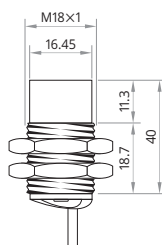
flush
bündig
M30 | 10 mm



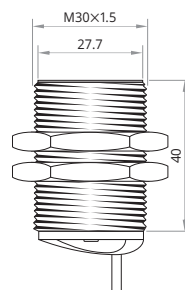
non-flush
nicht bündig
M30 | 15 mm



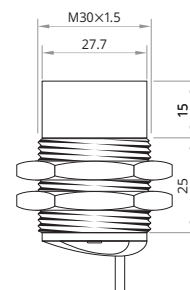
standard
Standard



standard
Standard



standard
Standard



Sensing distance S_n	Schaltabstand S_n	8 mm		10 mm		15 mm	
Operating voltage	Betriebsspannung	6...12 V _{DC} , NAMUR		6...12 V _{DC} , NAMUR		6...12 V _{DC} , NAMUR	
Reverse polarity protection	Verpolungsschutz	amplifier	Verstärker	amplifier	Verstärker	amplifier	Verstärker
Current consumption	Stromverbrauch	>2.1 mA		>2.1 mA		>2.1 mA	
Off-state current	Unbedämpfter Strom	<1.1 mA		<1.1 mA		<1.1 mA	
Short circuit protection	Kurzschlusschutz	amplifier	Verstärker	amplifier	Verstärker	amplifier	Verstärker
Voltage drop	Spannungsabfall	amplifier	Verstärker	amplifier	Verstärker	amplifier	Verstärker
Switching frequency	Schaltfrequenz	300 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	amplifier	Verstärker	amplifier	Verstärker	amplifier	Verstärker
Connection	Anschluss	PVC, ultra-flex		PVC, ultra-flex		PVC, ultra-flex	
Article code		IPS18-N8NA30-N2P		IPS30-S10NA40-N2U		IPS30-N15NA40-N2U	