

Sensors



- Detection of the position of a workpiece pallet, position inquiry in respect of lift transverse units and positioning units.

Product description

Sensor application matrix

Transportation Control

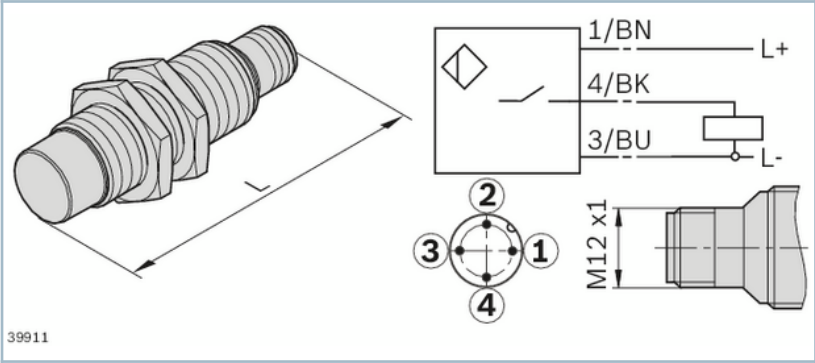
Technical data

No.		3842549811	3842549813	3842551761	3842549814	3842557633	3842558990	3842545972
Dimension	mm	M12x44	M12x44	M8x30	M12x45	M12x45	M12x60	M18x65
Protection type		IP67	IP67	IP68	IP67	IP68	IP68	IP67
Material entry		Housing: CuZn; nickel-free coating Active surface: LCP	Housing: CuZn; nickel-free coating Active surface: PBT	Housing: Non-rusting steel 1.4301 Active surface: PBT	Housing: CuZn; nickel-free coating Active surface: LCP	Housing: CuZn; nickel-free coating Active surface: LCP	Housing: CuZn; nickel-free coating Active surface: LCP	Housing: CuZn; nickel-free coating Active surface: LCP
Max. operating temperature	°C	-25 ... +70	-25 ... +70	-25 ... +70	-25 ... +70	-25 ... +70	-25 ... +70	-15 ... +70
Dimensions	mm	M12 x 44	M12 x 44	M8 x 30	M12 x 45	M12x45	M12 x 60	M18x65
Push-in fitting		M8x1	M8x1	M8x1	M12x1	M12x1	M12x1	M18x1
Overall length	mm	44	44	30	45	45	60	65
Rated sensing range	mm	4	8	2	4	8	8	13
Switching frequency	Hz	2500	800	1500	300	500	1000	800
Operating current	mA	200	200	200	200	200	200	200
Mechanical installation		Flush	Not flush	Flush	Flush	Not flush	Not flush	Not flush
Function display		LED	LED	LED	LED	LED	LED	LED
Switching output		PNP	PNP	PNP	PNP	PNP	PNP	PNP
Switching function		Normally open (NO)	Normally open (NO)	Normally open (NO)	Normally open (NO)	Normally open (NO)	Normally open (NO)	Normally open (NO)
Operating voltage	V DC	10 ... 30	10 ... 30	10 ... 30	10 ... 30	10 ... 30	10 ... 30	10 ... 30
Approvals		cULus, CE, EAC	cULus, CE, EAC	cULus, CE, EAC	cULus, CE, EAC	cULus, CE, EAC	cULus, CE, EAC	cULus, CE, EAC

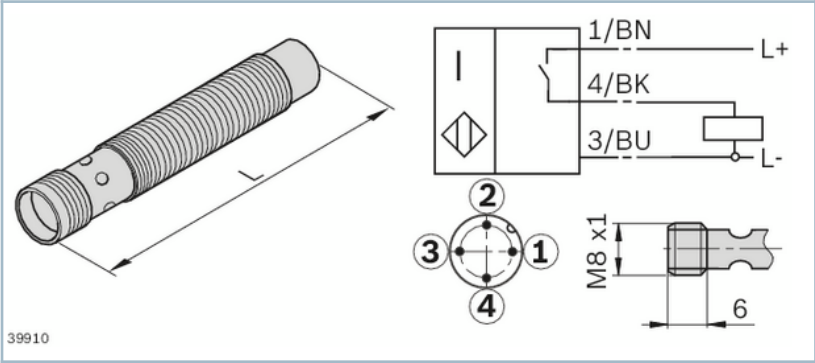
Standard conformity		IEC 60947-5-2	IEC 60947-5-2	IEC 60947-5-2	IEC 60947-5-2	IEC 60947-5-2	IEC 60947-5-2	IEC 60947-5-2
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Symbols/Circuit diagrams

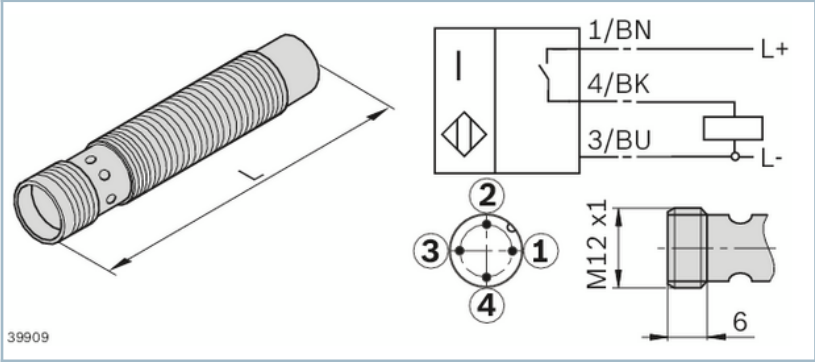
Circuit diagram M18x1



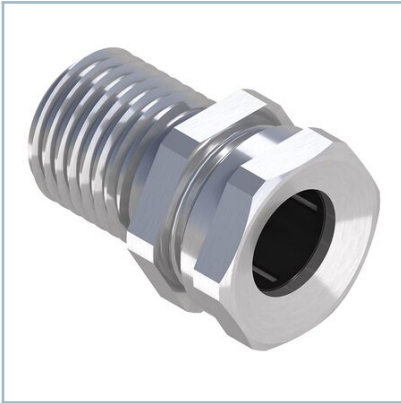
Circuit diagram M12x1



Circuit diagram M8x1



Accessories



Clamping holder for sensors

- Clamping holder for sensor Ø 12 mm, for screwing onto the stop gate



SH 2/U-H switch bracket

- Fastening for a M12x1 sensor for workpiece pallet position sensing from below and for position inquiry at HQ 5... and PE 5...
- Especially sturdy metal design
- Integrated stop for 12 mm sensor
- Mounting location: On the assembly kit for the switch bracket



Assembly kit for SH 2/U-H switch bracket

- Holding plate to bring the switch bracket into the correct inquiry position
- Centering lugs for pre-positioning and fast assembly

Ordering codes

	Length	S _N	No.
	mm	mm	
M12x44 sensor	44	4	3842549811
M12x44 sensor	44	8	3842549813
M8x30 sensor	30	2	3842551761
M12x45 sensor	45	4	3842549814
M12x45 sensor	45	8	3842557633
Sensor M12x60	60	8	3842558990
M18x1 sensor	65	13	3842545972