

M12 sensor with M12x1 push-in fitting



Product description

Detection of the position of a workpiece pallet, position sensing for lift transverse units, lift positioning units and lift rotate units.

Sensor application matrix

	Diameter with push-in fitting	Sensor					
	M12 with M12	3842557633	3842501548	3842549814	3842558990	3842559541 1)	
	M12 with M8	3842549813	3842549812	3842549811			
	M8 with M8						3842551761
Position inquiry	AS 2/C-100, AS 2/C-250						X
	AS 2/C-400, AS 2/C-700	X					
	AS 2/R-300, AS 2/R-700						X
	AS 2/R-1200, AS 2/R-2200	X					
	AS 2/R-V-1200, AS 2/R-V-2200	X					
	BS 2/R-300, BS 2/R-700						X
	BS 2/C-100, BS 2/C-250						X
	BS 2/R-H, BS 2/C-H	X					
	BS 2/R-V-1200	X					
	BS 2/C-H	X					
	CS/C						X
	EQ 2/TR			X			
	EQ 2/TR-90			X			
	EQ 2/T			X			
	EQ 2/TE			X			
	HQ 2/S			X			
	HQ 2/O			X			
	HQ 2/T			X			
	HQ 2/U			X			
	HQ 2/U2			X			
	HQ 2/U-H			X			
	HQ 2/C-H				X		
	HQ 2/G-H				X		
	HD 2			X			

	Diameter with push-in fitting	Sensor				
	M12 with M12	3842557633	3842501548	3842549814	3842558990	3842559541 1')
	M12 with M8	3842549813	3842549812	3842549811		
	HD 2/H			X		
	KU 2/...					X
	PE 2			X		
	PE 2/X, PE 2/H, PE 2/XP				X	
	HP 2/L			X		
	HP 2			X		
	VE 2 position inquiry					X
	VA 2/D-130			X		
WT position inquiry	SH 2/S	X				
	SH 2/ST				X	
	SH 2/S-H	X				
	SH 2/U				X	
	SH 2/UV	X				
	SH 2/U-H	X				
	SH 2/EP	X				
	WI/M		X			
	WI 2 (horizontal installation)					X
	WI 2 (vertical installation)		X			
	WI 2/H (horizontal installation)					X
	WI 2/H (vertical installation)		X			
	WI 2/D (horizontal installation)					X
	WI 2/D (vertical installation)		X			
	HQ 2/U-H			X		

Diameter with push-in fitting	Sensor				
M12 with M12	3842557633	3842501548	3842549814	3842558990	3842559541 ¹⁾
M12 with M8	3842549813	3842549812	3842549811		

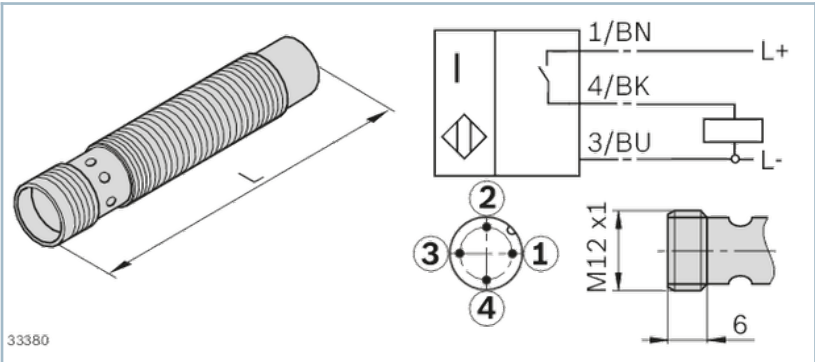
1) Nur für horizontalen Einbau bei den Wippen WI 2, WI 2/H und WI 2/D

Technical data

No.		3842549814	3842557633	3842501548	3842558990	3842559541
Dimension	mm	M12x45	M12x45	M12x70	M12x60	M12x65
Protection type		IP67	IP68	IP68	IP68	IP67
Material entry		Housing: CuZn; nickel-free coating Active surface: LCP	Housing: CuZn; nickel-free coating Active surface: LCP	Housing: Stainless steel, non-rusting Active surface: LCP	Housing: CuZn; nickel-free coating Active surface: LCP	Housing: Brass Active surface: LCP
Max. operating temperature	°C	-25 ... +70	-25 ... +70	-40... +85	-25 ... +70	0 ... +60
Dimensions	mm	M12 x 45	M12x45	M12 x 70	M12x60	M12 x 65
Push-in fitting		M12x1	M12x1	M12x1	M12x1	M12x1
Overall length	mm	45	45	70	60	65
Rated sensing range	mm	4	8	4	8	8
Switching frequency	Hz	300	500	2500	1000	300
Operating current	mA	200	200	200	200	200
Mechanical installation		Flush	Not flush	Not flush	Not flush	Flush
Function display		LED	LED	LED	LED	LED
Switching output		PNP	PNP	PNP	PNP	PNP

Switching function		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 V DC	10 ... 30	10 ... 30
Approvals		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

Symbols/Circuit diagrams



Accessories



Switch Bracket SH 2/S

- For fastening a sensor
- Suitable for lateral sensing of the workpiece pallet position

Ordering codes

	No.
M12x45 sensor	3842549814
M12x45 sensor	3842557633
M12x70 sensor	3842501548
Sensor M12x60	3842558990
Sensor M12x65	3842559541