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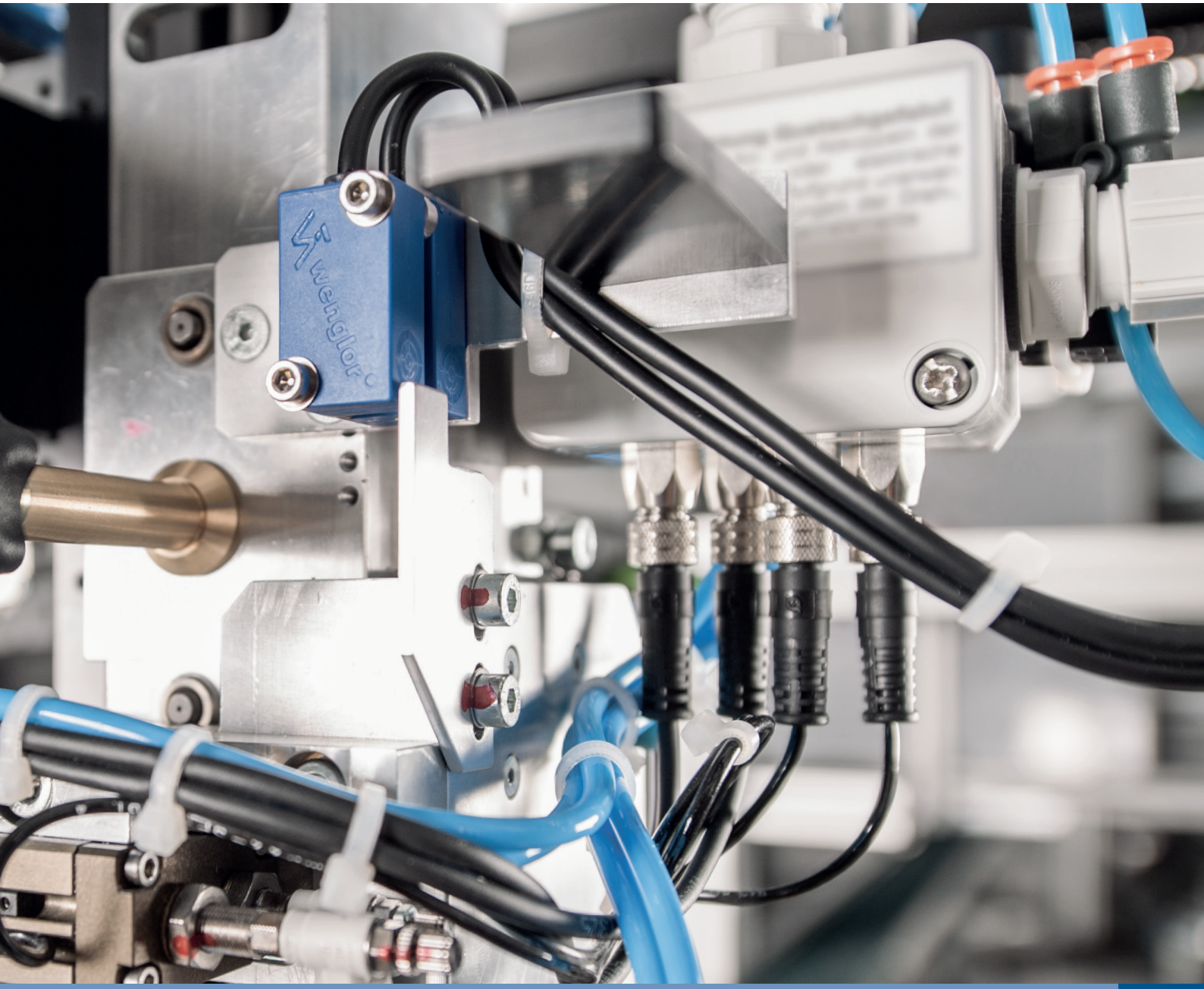
Inductive Sensors

System overview



System overview

Inductive sensors with standard and increased switching distance

Cylindric Housing

D4 mm

		flush – 0,8 mm
		PNP NO
Cable 2 m	25 mm	IJ008BE25VB
M5, 3 pole	35 mm	IJ008BE35VB1
M8, 3 pole	42 mm	IJ008BE42VB8

M5

		flush – 0,8 mm
		PNP NO
Cable 2 m	25 mm	IL008BE25VB
M5, 3 pole	35 mm	IL008BE35VB1
M8, 3 pole	42 mm	IL008BE42VB8

D6,5 mm

		flush – 2 mm		
		PNP NO	PNP NC	NPN NO
Cable 2 m	37 mm	I1AH001	I1AH002	I1AH009
M8, 3 pole	60 mm	I1AH003	I1AH004	

M8

		flush – 2 mm				quasi-flush – 2,5 mm			quasi-flush – 4 mm				non-flush – 6 mm	
		PNP NO	PNP NC	NPN NO	NPN NC	PNP NO	PNP NC	NPN NO	PNP NO	PNP NC	NPN NO	NPN NC	PNP NO	PNP NC
Cable 2 m	37 mm	I08H001	I08H002	I08H028				I08H031	I08H009	I08H010	I08H034		I08H017	I08H018
M8, 3 pole	46 mm	I08H003	I08H004			I08H027		I08H032	I08H011	I08H012	I08H035		I08H019	I08H020
M8, 3 pole	60 mm	I08H005	I08H006	I08H029	I08H030				I08H013	I08H014		I08H037	I08H021	I08H022
M12, 4 pole	70 mm	I08H007	I08H008						I08H015	I08H016			I08H023	I08H024

M12

		flush – 2 mm	flush – 4 mm					quasi-flush – 6 mm		quasi-flush – 8 mm			non-flush – 12 mm	
		PNP NO	PNP NO	PNP NC	PNP NO/NC	NPN NO	NPN NC	PNP NO	NPN NO	PNP NO	PNP NO/NC	NPN NO	PNP NO	PNP NO/NC
Cable 2 m	37 mm		I12H001		I12H002	I12H027	I12H028	I12H024	I12H029	I12H007	I12H008		I12H013	I12H014
M12, 3/4 pole	46 mm		I12H003	I12H022	I12H004			I12H025		I12H009	I12H010		I12H015	I12H016
M12, 3/4 pole	60 mm	I12N001	I12H005	I12H023	I12H006			I12H026		I12H011	I12H012	I12H032	I12H017	I12H018

M18

		flush – 5 mm		flush – 8 mm		quasi-flush – 12 mm			non-flush – 20 mm		
		PNP NO	PNP NO/NC	PNP NO	PNP NO/NC	PNP NO	PNP NO/NC	NPN NO	PNP NO	PNP NO/NC	NPN NO
Cable 2 m	55 mm	I18N001	I18N002	I18H001	I18H002	I18H005	I18H006	I18H018	I18H009	I18H010	I18H017
M12, 3/4 pole	65 mm	I18N003	I18N004	I18H003	I18H004	I18H007	I18H008		I18H011	I18H012	

M30

		flush – 10 mm		flush – 15 mm		quasi-flush – 22 mm		non-flush – 35 mm	
		PNP NO	PNP NO/NC	PNP NO	PNP NO/NC	PNP NO	PNP NO/NC	PNP NO	PNP NO/NC
Cable 2 m	55 mm	I30N001	I30N002	I30H001	I30H002	I30H005	I30H006	I30H009	I30H010
M12, 3/4 pole	65 mm	I30N003	I30N004	I30H003	I30H004	I30H007	I30H008	I30H011	I30H012

Mounting Consoles

Housing	flush	quasi-flush	non-flush
M8	Z08M001	Z08M002	Z08M003
M12	Z12M001	Z12M002	Z12M003
M18	Z18M001	Z18M002	Z18M003
M30	Z30M001	Z30M002	Z30M003

Cubic Housing

8×8 mm

		flush – 2 mm		non-flush – 3 mm	
		PNP NO	PNP NC	PNP NO	PNP NC
Cable 2 m	41 mm	I1BH001	I1BH002	I1BH005	I1BH006
M8, 3 pole	50 mm	I1BH003	I1BH004	I1BH007	I1BH008

10×16 mm

		flush – 3 mm		non-flush – 6 mm		
		PNP NO	PNP NC	PNP NO	PNP NC	NPN NO
Cable 2 m	28 mm	I1CH001	I1CH002	I1CH005	I1CH006	
M8, 3 pole	37 mm	I1CH003	I1CH004	I1CH007	I1CH008	I1CH009

10×36 mm

		flush – 6 mm		non-flush – 10 mm	
		PNP NO	PNP NC	PNP NO	PNP NC
M8, 3 pole	68 mm	I1DH001	I1DH002	I1DH003	I1DH004

40×40 mm

		flush – 20 mm		non-flush – 35 mm		non-flush – 40 mm	
		PNP NO	PNP NO/NC	PNP NO/NC	NPN NO/NC	PNP NO	PNP NO/NC
M12, 4 pole	70 mm	I1QH001	I1QH002	I1QH008	I1QH007	I1QH003	I1QH004

Inductive Sensors with IO-Link

	M8		M12		M18		M30		40x40 mm	
	quasi – flush	non – flush	quasi – flush	non – flush	quasi – flush	non – flush	quasi – flush	non – flush	quasi – flush	non – flush
	4 mm	6 mm	6 mm	12 mm	12 mm	20 mm	22 mm	35 mm	20 mm	40 mm
M12, 4 pole	I08H025	I08H026	I12H019	I12H020	I18H013	I18H014	I30H013	I30H014	I1QH005	I1QH006

Inductive Sensors with Full-Metal Housing

		M12		M18		M30	
		flush	non-flush	flush	non-flush	flush	non-flush
		4 mm	6 mm	8 mm	12 mm	10 mm	20 mm
M12, 4 pole	PNP NO	IB040DE65UB3	IB060SE65UB3				
M12, 4 pole	PNP NC	IB040DE65UD3	IB060SE65UD3				
M12, 4 pole	PNP NO/NC			IW080DE65UA3	IW120SE65UA3	IX150DE65UA3	IX250SE65UA3

Inductive Sensors with Analog Output

		M18		M30	
		flush 1,5…4,5 mm	non-flush 2…7 mm	flush 2…8 mm	non-flush 3…13 mm
		0…10 V	0…10 V	0…10 V	0…10 V
M12, 4 pole	65 mm	IW045CM65MG3	IW070RM65MG3	IX080CM65MG3	IX130RM65MG3

Inductive Sensors with Selective Performance

		flush – 15 mm	non-flush – 25 mm
		PNP NO/NC	PNP NO/NC
40×40 mm	Non-Ferromagnets	ISQ150BK00A3	ISQ250NK00A3
40×40 mm	Ferromagnets	ISQ150BK01A3	ISQ250NK01A3