

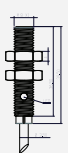
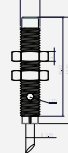








Size	M8 Standard			
	Cable		Connector	
Standard	1.5mm	2.5mm	1.5mm	2.5mm
Sensing range	1.5mm		2.5mm	
				
	CE RoHS	CE RoHS	CE RoHS	CE RoHS
3 wire PNP NO	IA1001	IA1005	IA1009	IA1013
3 wire PNP NC	IA1002	IA1006	IA1010	IA1014
3 wire NPN NO	IA1003	IA1007	IA1011	IA1015
3 wire NPN NC	IA1004	IA1008	IA1012	IA1016
Sensing surface	Flush	Non-flush	Flush	Non-flush
Operating voltage[V]	10...36DC	10...36DC	10...36DC	10...36DC
Current loading[mA]	100	100	100	100
Short-circuit protection	Yes	Yes	Yes	
Reverse polarity protection	Yes	Yes	Yes	
Overload protection	Yes	Yes	Yes	
Voltage drop[V]	< 2	< 2	< 2	< 2
Current consumption[mA]	<10(24VDC)	<10(24VDC)	<10(24VDC)	<10(24VDC)
Real sensing range[mm]	1.5 ± 10%	2.5 ± 10%	1.5 ± 10%	2.5 ± 10%
Operating range[mm]	0...1.2	0...2	0...1.2	0...2
Switch-point drift [%Sr]	-10...10	-10...10	-10...10	-10...10
Hysteresis [%Sr]	1...15	1...15	1...15	1...15
Switching frequency [Hz]	1300	1300	1300	1300
Ambient temperature [°C]	-25...80	-25...80	-25...80	-25...80
Ambient humidity [%]	35...95	35...95	35...95	35...95
Protection classification	IP67	IP67	IP67	IP67
Adjustment factors	Low carbon steel=1/stainless steel approx 0.7/Brass approx 0.4/Alumium approx 0.3/Copper approx 0.2			
Housing material	Stainless steel ; Sensing surface: PBT			PBT+GF
Display LED	Red(90°)	Red(90°)	Red(90°)	Red(90°)
Connection	PVC-cable/2m;3 x 0.14mm <sup>2</sup>		M8 Connector	
Accessories	Two fixed nuts			
Drawing				

Size	M8 Standard			
	Cable		Connector	
Standard	1.5mm	2.5mm	1.5mm	2.5mm
Sensing range	1.5mm		2.5mm	
				
	CE RoHS	CE RoHS	CE RoHS	CE RoHS
2 wire NO	IA1017	IA1019	IA1021	IA1023
2 wire NC	IA1018	IA1020	IA1022	IA1024
Sensing surface	Flush	Non-flush	Flush	Non-flush
Operating voltage[V]	10...36DC	10...36DC	10...36DC	10...36DC
Current loading[mA]	100	100	100	100
Short-circuit protection	Yes	Yes	Yes	Yes
Reverse polarity protection	Yes	Yes	Yes	Yes
Overload protection	Yes	Yes	Yes	Yes
Voltage drop[V]	<8	<8	<8	<8
Current consumption[mA]	<10(24VDC)	<10(24VDC)	<10(24VDC)	<10(24VDC)
Real sensing range[mm]	1.5 ± 10%	2.5 ± 10%	1.5 ± 10%	2.5 ± 10%
Operating range[mm]	0...1.2	0...2	0...1.2	0...2
Switch-point drift [%Sr]	-10...10	-10...10	-10...10	-10...10
Hysteresis [%Sr]	1...15	1...15	1...15	1...15
Switching frequency [Hz]	1300	1300	1300	1300
Ambient temperature [°C]	-25...80	-25...80	-25...80	-25...80
Ambient humidity [°C]	35...95	35...95	35...95	35...95
Protection classification	IP67	IP67	IP67	IP67
Adjustment factors	Low carbon steel=1/stainless steel approx 0.7/Brass approx 0.4/Alumium approx 0.3/Copper approx 0.2			
Housing material	Stainless steel ; Sensing surface: PBT			
Display LED	Red(90°)	Red(90°)	Red(90°)	Red(90°)
Connection	PVC-cable/2m;2 x 0.14mm <sup>2</sup>		M8 Connector	
Accessories	Two fixed nuts			
Drawing	