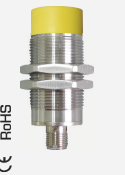
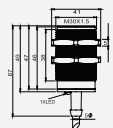
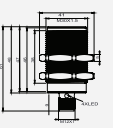
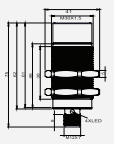



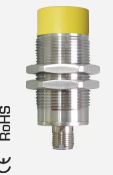
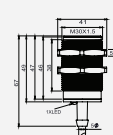
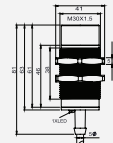
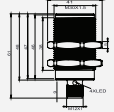
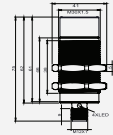


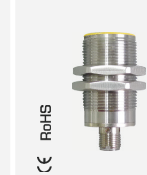
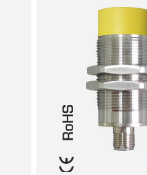
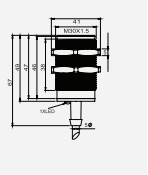
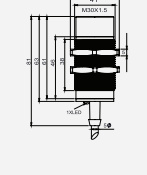
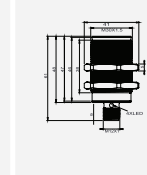
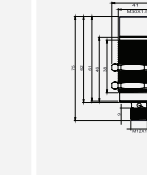

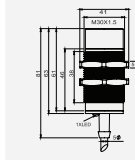


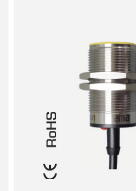

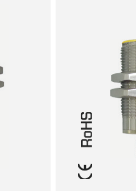
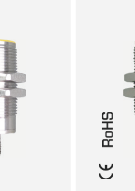
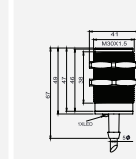
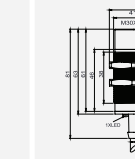
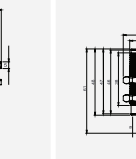
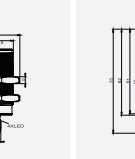
Size	M30 Standard			
	Cable		Connector	
Standard	10mm	15mm	10mm	15mm
Sensing range	10mm	15mm	10mm	15mm
				
3 wire PNP NO	ID1001	ID1005	ID1009	ID1013
3 wire PNP NC	ID1002	ID1006	ID1010	ID1014
3 wire NPN NO	ID1003	ID1007	ID1011	ID1015
3 wire NPN NC	ID1004	ID1008	ID1012	ID1016
Sensing surface	Flush	Non-flush	Flush	Non-flush
Operating voltage[V]	10...36DC	10...36DC	10...36DC	10...36DC
Current loading[mA]	250	250	250	250
Short-circuit protection	Yes	Yes	Yes	Yes
Reverse polarity protection	Yes	Yes	Yes	Yes
Overload protection	Yes	Yes	Yes	Yes
Voltage drop[V]	< 2.5	< 2.5	< 2.5	< 2.5
Current consumption[mA]	< 15(24VDC)	< 15(24VDC)	< 15(24VDC)	< 15(24VDC)
Real sensing range[mm]	10 ± 10%	15 ± 10%	10 ± 10%	15 ± 10%
Operating range[mm]	0...8	0...12	0...8	0...12
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]	100	100	100	100
Ambient temperature [°C]	-25...80	-25...80	-25...80	-25...80
Protection classification	IP67	IP67	IP67	IP67
Adjustment factors	Low carbon steel=1/stainless steel approx 0.7/Brass approx 0.4/Aluminium 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;3×0.34mm <sup>2</sup>		M12 Connector	
Accessories	Two fixed nuts			
Drawing				

Size	M30 Standard			
	Cable		Connector	
Standard	10mm	15mm	10mm	15mm
Sensing range	10mm	15mm	10mm	15mm
				
2 wire NO	ID1017	ID1019	ID1021	ID1023
2 wire NC	ID1018	ID1020	ID1022	ID1024
Sensing surface	Flush	Non-flush	Flush	Non-flush
Operating voltage[V]	10...36DC	10...36DC	10...36DC	10...36DC
Current loading[mA]	250	250	250	250
Short-circuit protection	Yes	Yes	Yes	Yes
Reverse polarity protection	Yes	Yes	Yes	Yes
Overload protection	Yes	Yes	Yes	Yes
Voltage drop[V]	< 5	< 5	< 5	< 5
Current consumption[mA]	< 0,6(24VDC)	< 0,6(24VDC)	< 0,6(24VDC)	< 0,6(24VDC)
Real sensing range[mm]	10 ± 10%	15 ± 10%	10 ± 10%	15 ± 10%
Operating range[mm]	0...8	0...12	0...8	0...12
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]	60	60	60	60
Ambient temperature [°C]	-25...80	-25...80	-25...80	-25...80
Protection classification	IP67	IP67	IP67	IP67
Adjustment factors	Low carbon steel=1/stainless steel approx 0.7/Brass approx 0.4/Aluminium 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;2×0.34mm <sup>2</sup>		M12 Connector	
Accessories	Two fixed nuts			
Drawing				





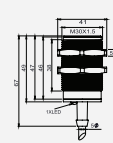
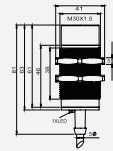
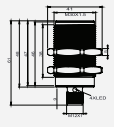
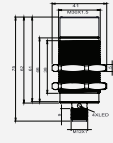
Size	M30 Standard			
	Cable		Connector	
Standard	10mm	15mm	10mm	15mm
Sensing range	10mm	15mm	10mm	15mm
				
2 wire NO	ID1025	ID1027	ID1029	ID1031
2 wire NC	ID1026	ID1028	ID1030	ID1032
Sensing surface	Flush	Non-flush	Flush	Non-flush
Operating voltage[V]	20...250AC/DC	20...250AC/DC	20...250AC/DC	20...250AC/DC
Current loading[mA]	250	250	250	250
Short-circuit protection	No	No	No	No
Overload protection	No	No	No	No
Voltage drop[V]	< 6.5AC/ < 6DC	< 6.5AC/ < 6DC	< 6.5AC/ < 6DC	< 6.5AC/ < 6DC
Current consumption[mA]	< 2(250VAC)/ < 1,5(110VAC)/ < 0,6(24VDC)			
Real sensing range[mm]	10 ± 10%	15 ± 10%	10 ± 10%	15 ± 10%
Operating range[mm]	0...8	0...12	0...8	0...12
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]	25AC/60DC	25AC/60DC	25AC/60DC	25AC/60DC
Ambient temperature [°C]	-25...80	-25...80	-25...80	-25...80
Protection classification	IP67	IP67	IP67	IP67
Adjustment factors	Low carbon steel=1/stainless steel approx 0.7/Brass approx 0.4/Aluminium 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 0.34mm <sup>2</sup>		M12 Connector	
Accessories	Two fixed nuts			
Drawing				




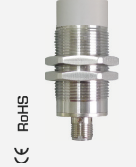
Size	M30 Extra length			
	Cable		Connector	
Standard	15mm	22mm	15mm	22mm
Sensing range	15mm	22mm	15mm	22mm
				
3 wire PNP NO	ID1101	ID1105	ID1109	ID1113
3 wire PNP NC	ID1102	ID1106	ID1110	ID1114
3 wire NPN NO	ID1103	ID1107	ID1111	ID1115
3 wire NPN NC	ID1104	ID1108	ID1112	ID1116
Sensing surface	Flush	Non-flush	Flush	Non-flush
Operating voltage[V]	10...36DC	10...36DC	10...36DC	10...36DC
Current loading[mA]	250	250	250	250
Short-circuit protection	Yes	Yes	Yes	Yes
Reverse polarity protection	Yes	Yes	Yes	Yes
Overload protection	Yes	Yes	Yes	Yes
Voltage drop[V]	< 2.5	< 2.5	< 2.5	< 2.5
Current consumption[mA]	< 15(24VDC)	< 15(24VDC)	< 15(24VDC)	< 15(24VDC)
Real sensing range[mm]	15 ± 10%	22 ± 10%	15 ± 10%	22 ± 10%
Operating range[mm]	0...12	0...17.6	0...12	0...17.6
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]	100	100	100	100
Ambient temperature [°C]	-25...80	-25...80	-25...80	-25...80
Protection classification	IP67	IP67	IP67	IP67
Adjustment factors	Low carbon steel=1/stainless steel approx 0.7/Brass approx 0.4/Aluminium 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;3 x 0.34mm <sup>2</sup>		M12 Connector	
Accessories	Two fixed nuts			
Drawing				

Size	M30 Extra length			
	Cable		Connector	
Standard	15mm	22mm	15mm	22mm
Sensing range				
				
2 wire NO	ID1117	ID1119	ID1121	ID1123
2 wire NC	ID1118	ID1120	ID1122	ID1124
Sensing surface	Flush	Non-flush	Flush	Non-flush
Operating voltage[V]	10...36DC	10...36DC	10...36DC	10...36DC
Current loading[mA]	250	250	250	250
Short-circuit protection	Yes	Yes	Yes	Yes
Reverse polarity protection	Yes	Yes	Yes	Yes
Overload protection	Yes	Yes	Yes	Yes
Voltage drop[V]	< 5V	< 5V	< 5V	< 5V
Current consumption[mA]	< 0.6(24VDC)	< 0.6(24VDC)	< 0.6(24VDC)	< 0.6(24VDC)
Real sensing range[mm]	15 ± 10%	22 ± 10%	15 ± 10%	22 ± 10%
Operating range[mm]	0...12	0...17.6	0...12	0...17.6
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]	60	60	60	60
Ambient temperature [°C]	-25...80	-25...80	-25...80	-25...80
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 × 0.34mm <sup>2</sup>		M12 Connector	
Accessories	Two fixed nuts			
Drawing				

Size	M30 Extra length			
	Cable		Connector	
Standard	15mm	22mm	15mm	22mm
Sensing range				
				
2 wire NO	ID1125	ID1127	ID1129	ID1131
2 wire NC	ID1126	ID1128	ID1130	ID1132
Sensing surface	Flush	Non-flush	Flush	Non-flush
Operating voltage[V]	20...250AC/DC	20...250AC/DC	20...250AC/DC	20...250AC/DC
Current loading[mA]	250	250	250	250
Short-circuit protection	No	No	No	No
Overload protection	No	No	No	No
Voltage drop[V]	< 6.5AC/ < 6DC	< 6.5AC/ < 6DC	< 6.5AC/ < 6DC	< 6.5AC/ < 6DC
Current consumption[mA]	< 2(250VAC)/ < 1.5(110VAC)/ < 0.6(24VDC)			
Real sensing range[mm]	15 ± 10%	22 ± 10%	15 ± 10%	22 ± 10%
Operating range[mm]	0...12	0...17.6	0...12	0...17.6
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]	25AC/60DC	25AC/60DC	25AC/60DC	25AC/60DC
Ambient temperature [°C]	-25...80	-25...80	-25...80	-25...80
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 × 0.34mm <sup>2</sup>		M12 Connector	
Accessories	Two fixed nuts			
Drawing				

Size	M30 High temperature			
	Cable		Connector	
	10mm	15mm	10mm	15mm
Standard				
Sensing range	10mm	15mm	10mm	15mm
				
3 wire PNP NO	ID1201	ID1205	ID1209	ID1213
3 wire PNP NC	ID1202	ID1206	ID1210	ID1214
3 wire NPN NO	ID1203	ID1207	ID1211	ID1215
3 wire NPN NC	ID1204	ID1208	ID1212	ID1216
Sensing surface	Flush	Non-flush	Flush	Non-flush
Operating voltage[V]	10...36DC	10...36DC	10...36DC	10...36DC
Current loading[mA]	250	250	250	250
Short-circuit protection	Yes	Yes	Yes	Yes
Reverse polarity protection	Yes	Yes	Yes	Yes
Overload protection	Yes	Yes	Yes	Yes
Voltage drop[V]	< 2.5	< 2.5	< 2.5	< 2.5
Current consumption[mA]	< 15(24VDC)	< 15(24VDC)	< 15(24VDC)	< 15(24VDC)
Real sensing range[mm]	10 ± 10%	15 ± 10%	10 ± 10%	15 ± 10%
Operating range[mm]	0...8	0...12	0...8	0...12
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]	100	100	100	100
Ambient temperature [°C]	-25...120	-25...120	-25...120	-25...120
Protection classification	IP67	IP67	IP67	IP67
Adjustment factors	Low carbon steel=1/stainless steel approx 0.7/Brass approx 0.4/Aluminum 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	silicone-cable/2m;3 × 0.34mm <sup>2</sup>		M12 Connector	
Accessories	Two fixed nuts			
Drawing				

Size	M30 High temperature			
	Cable		Connector	
	10mm	15mm	10mm	15mm
Standard				
Sensing range	10mm	15mm	10mm	15mm
				
2 wire NO	ID1217	ID1219	ID1221	ID1223
2 wire NC	ID1218	ID1220	ID1222	ID1224
Sensing surface	Flush	Non-flush	Flush	Non-flush
Operating voltage[V]	10...36DC	10...36DC	10...36DC	10...36DC
Current loading[mA]	250	250	250	250
Short-circuit protection	Yes	Yes	Yes	Yes
Reverse polarity protection	Yes	Yes	Yes	Yes
Overload protection	Yes	Yes	Yes	Yes
Voltage drop[V]	< 5	< 5	< 5	< 5
Current consumption[mA]	< 0.6(24VDC)	< 0.6(24VDC)	< 0.6(24VDC)	< 0.6(24VDC)
Real sensing range[mm]	10 ± 10%	15 ± 10%	10 ± 10%	15 ± 10%
Operating range[mm]	0...8	0...12	0...12	0...12
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]	60	60	60	60
Ambient temperature [°C]	-25...120	-25...120	-25...120	-25...120
Protection classification	IP67	IP67	IP67	IP67
Adjustment factors	Low carbon steel=1/stainless steel approx 0.7/Brass approx 0.4/Aluminum 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	silicone-cable/2m;2 × 0.34mm <sup>2</sup>		M12 Connector	
Accessories	Two fixed nuts			
Drawing				

Size	M30 High temperature			
Standard	Cable		Connector	
Sensing range	10mm	15mm	10mm	15mm
				
2 wire NO	ID1225	ID1227	ID1229	ID1231
2 wire NC	ID1226	ID1228	ID1230	ID1232
Sensing surface	Flush	Non-flush	Flush	Non-flush
Operating voltage[V]	20...250AC/DC	20...250AC/DC	20...250AC/DC	20...250AC/DC
Current loading[mA]	250	250	250	250
Short-circuit protection	No	No	No	No
Overload protection	No	No	No	No
Voltage drop[V]	< 6.5AC/ < 6DC	< 6.5AC/ < 6DC	< 6.5AC/ < 6DC	< 6.5AC/ < 6DC
Current consumption[mA]	< 2(250VAC)/ < 1.5(110VAC)/ < 0.6(24VDC)			
Real sensing range[mm]	10 ± 10%	15 ± 10%	10 ± 10%	15 ± 10%
Operating range[mm]	0...8	0...12	0...8	0...12
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]	25AC/60DC	25AC/60DC	25AC/60DC	25AC/60DC
Ambient temperature [°C]	-25...120	-25...120	-25...120	-25...120
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	silicone-cable/2m; 2 × 0.34mm <sup>2</sup>		M12 Connector	
Accessories	Two fixed nuts			
Drawing	