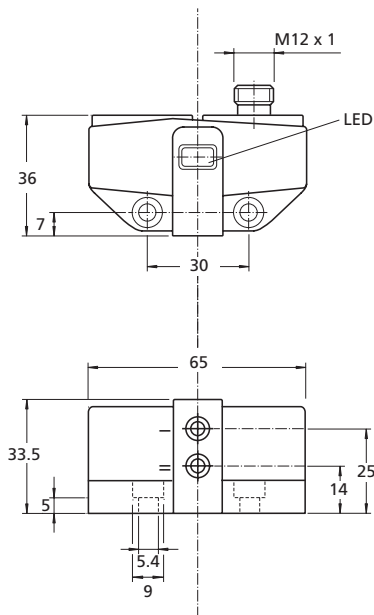




DIMENSIONS



FEATURES

- > DC 3-wire PNP sensor
- > IP 67 rugged plastic housing
- > Hermetically sealed
- > Vibration, shock and corrosion resistant
- > Compact design
- > High visibility LED for power and switch status

TECHNICAL DATA

General specifications

Switching function		2 x normally open (NO)
Output type		PNP, 3-wire
Rated operating distance	s_n	3 mm
Installation		Flush mountable
Output polarity		DC
Assured operating distance	s_a	0 ... 2.43 mm
Actual operating distance	s_r	2.7 ... 3.3 mm typ.

Nominal ratings

Operating voltage	U_B	10 ... 30 V DC
Switching frequency	f	0 ... 500 Hz
Hysteresis	H	Typ 5 %
Reverse polarity protection		All connections
Short-circuit protection		Pulsing
Voltage drop	U_d	≤ 3 V
Operating current	I_L	0 ... 100 mA
Off-state current	I_r	0 ... 0.5 mA typ. 0.1 μ A at 25 °C
No-load supply current	I_O	≤ 25 mA
Operating voltage indicator		LED, green
Switching state indicator		LED, yellow

Functional safety related parameters

MTTF _d		780 a
Mission Time (TM)		20 a
Diagnostic Coverage (DC)		0%

Ambient conditions

Ambient temperature	T_A	-25 ... 70 °C (-13 ... 158 °F)
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Mechanical specifications

Connection (system side)		4-pin, M12 x 1 connector
Housing material		PBT
Sensing face material		PBT
Degree of protection		IP67

Standard conformity

Standards	EN 60947-5-2:2007	IEC 60947-5-2:2007
	EN 60947-5-2/A1:2012	IEC 60947-5-2 AMD 1:2012

Approvals and certificates

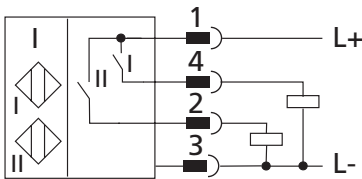
UL approval		cULus listed, general purpose
CCC approval		Approval and marking not required for products rated ≤ 36 V

ACTIVATORS

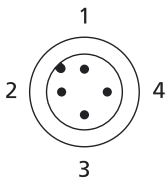


Activators sold separately

WIRING DIAGRAM



CONNECTOR PINOUT



Wire colors in accordance
with EN 60947-5-2

1	BN	Brown
2	WH	White
3	BU	Blue
4	BK	Black

ACTIVATOR AND MOUNTING KITS

30 x 80 mm NAMUR Mounting, adjustable

54063A-14800536	Fits Bray S92/93 Sizes 63 to 128 - Imperial
54063A-14850536	Fits Bray S92/93 Sizes 63 to 128 and Series 98 - Metric

30 x 130 mm NAMUR Mounting, adjustable

54160A-14800536	Fits Bray S92/93 Sizes 160 to 210 - Imperial
54160A-14850536	Fits Bray S92/93 Sizes 160 to 255 - Metric

30 x 80 mm NAMUR Mounting, adjustable, High Visibility

54063C-14800536	Fits Bray S92/93 Sizes 63 to 128 - Imperial
54063C-14850536	Fits Bray S92/93 Sizes 63 to 128 and Series 98 - Metric

30 x 130 mm NAMUR Mounting, adjustable, High Visibility

54160C-14800536	Fits Bray S92/93 Size 160 - Imperial
54160C-14850536	Fits Bray S92/93 Size 160 - Metric
54210C-14800536	Fits Bray S92/93 Size 210 - Imperial
54210C-14850536	Fits Bray S92/93 Sizes 210 to 255 - Metric

ACCESSORIES

090005-76145882	Sensor Cordset - M12 female straight connector (4-pin) to flying leads, 5 meters, zinc
090004-76145534	Sensor Cordset - M12 female straight connector (4-pin) to flying leads, 5 meters, stainless steel
600250-23663536	Y-Connector Cordset (S62, S63) - M12 female straight connector (4-pin sensor side) to M12 male straight connector (5-pin system side) AND Form B Type I solenoid connector (DIN 43650)
600250-23666536	Y-Connector Cordset (S60) - M12 female straight connector (4-pin sensor side) to M12 male straight connector (5-pin system side) AND Form A solenoid connector (DIN 43650)
630250-21524536	Series 63 - Solenoid Valve, NAMUR mount 3/2 or 5/2, Form B connector (DIN 43560), IP65, single 24vdc coil
621250-21524536	Series 62 - Solenoid Valve, NAMUR mount 3/2 or 5/2, Form B connector (DIN 43560), IP65, single 24vdc coil