

Watchdog Plug LB9180

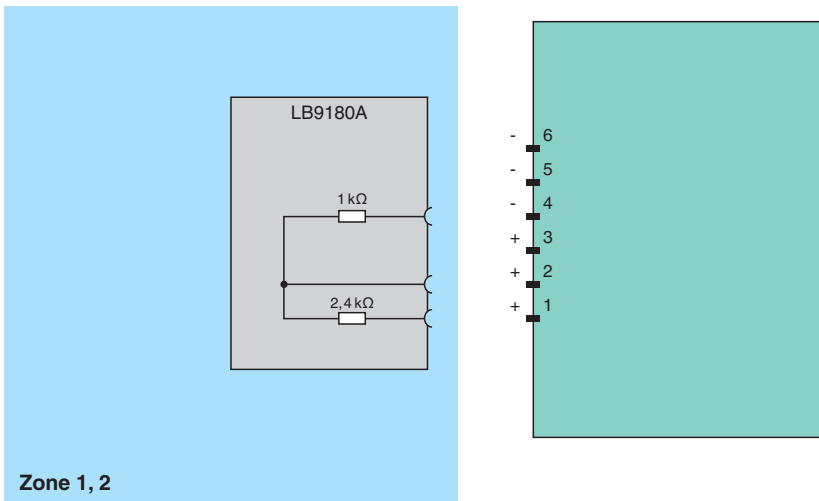
■ 1-channel

Watchdog Plug, 1-channel

Function

The control system sends a digital output signal to the remote I/O module. This signal is transferred to the corresponding digital input via the watchdog plug. The control system reads the digital input, and can thereby determine the correct function between the remote I/O module and the control system.

Connection



Technical Data

Supply	
Rated voltage	U_r max. 29 V DC
Electrical specifications	
Resistor	1 k Ω /0.6 W 2.4 k Ω /0.6 W
Input	
Error detection	lead breakage, short circuit, open switch, closed switch
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications	
Degree of protection	IP20
Connection	plug-in connection
Mass	approx. 20 g

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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Technical Data

Dimensions	46 x 38 x 15 mm (1.81 x 1.49 x 0.59 inch)	
Data for application in connection with hazardous areas		
Certificate		
Temperature class	T4	
Voltage	U _i	29 V
Power	P _i	800 mW
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)	
Internal capacitance	C _i	0 F
Internal inductance	L _i	0 H
General information		
Supplementary information	Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperl-fuchs.com .	

Function Principle

Compatible I/O module for use with the watchdog connector

The following table shows which I/O modules are compatible with the watchdog connector depending on whether line fault monitoring is enabled or disabled.

I/O module	Line Fault Monitoring	Line Fault Monitoring
LB2112A	+	+
FB2212B	+	+
LB2113A	+	+
FB2213B	+	+
LB2116E	+	+
FB2216E3	+	+
LB2117E	-	-
FB2217E3	-	-
LB2102AR	+	-
FB2202BR	+	-
LB2103AR	+	-
FB2203BR	+	-
LB2112AR	+	+
FB2212BR	+	+

+ compatible
- incompatible