



IO-Link data splitter

IO-LINK DATA SPLITTER PNP



Product characteristics		
Number of inputs and outputs		Number of digital outputs: 1
Application		
System		gold-plated contacts
Application		for retrofitting of existing IO-Link systems; for systems without IO-Link capabilities
Electrical data		
Operating voltage		[V] 18...30 DC; (on the master side; on the controller / system: 20...30 DC)
Nominal voltage DC		[V] 24
Current consumption		[mA] < 17; (both sides)
Protection class		III
Reverse polarity protection		yes; (on the master side)
Power-on delay time		[s] < 2; (for communication; response time switching signal: response time device added with IO-Link process cycle time)
Inputs / outputs		
Total number of inputs and outputs		1; (on the controller / system)
Number of inputs and outputs		Number of digital outputs: 1
Outputs		
Output signal		switching signal; IO-Link
Electrical design		PNP
Number of digital outputs		1



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Output function	normally open / closed
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	200
Type of short-circuit protection	yes (non-latching)
Short-circuit proof	yes
Overload protection	yes

Interfaces

Communication interface	IO-Link	
Supported DeviceIDs	Type of operation	DeviceID
	default	1107

IO-Link Device

Note on interfaces	connection to IO-Link Master
Unterstützte Masterportklasse	A
Transmission type	COM2 (38,4 kBaud)
IO-Link revision	1.1
SDCI standard	IEC 61131-9
Profiles	Identification and Diagnosis (0x4000)
SIO mode	yes
Min. process cycle time [ms]	4.2

IO-Link Master

Note on interfaces	connection to IO-Link enabled auxiliary devices
Unterstützte Masterportklasse	A / B
Transmission type	COM1 (4,8 kBaud); COM2 (38,4 kBaud); COM3 (230,4 kBaud)
IO-Link revision	1.0; 1.1
SDCI standard	IEC 61131-9

Operating conditions

Ambient temperature [°C]	-25...60
Storage temperature [°C]	-25...70
Protection	IP 67

Tests / approvals

EMC	DIN EN 61000-6-2	
	DIN EN 61000-6-4	in plastic or open metal tanks
Shock resistance	DIN EN 60068-2-27	15 g (6 ms)
Vibration resistance	DIN EN 60068-2-6	2 g (10...150 Hz)
MTTF [years]	307	
UL approval	File number UL	E205959

Mechanical data

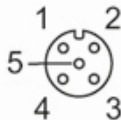
Weight [g]	90
Material	stainless steel (1.4404 / 316L); brass (2.0401); PBT; PA; sealing: FKM;

E43406



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Displays / operating elements		
Display	Switching output	1 x LED, yellow
	Power	1 x LED, green
	IO-Link	1 x LED, yellow
Accessories		
Accessory required	Y connection cable 1, EVC843	
Remarks		
Remarks	For information on the maximum cable length please refer to the operating instructions.	
	To ensure the function according to technical datasheet and operating instructions the use of the following article is imperative: EVC843	
Pack quantity	1 pcs.	
Electrical connection		
Electrical connection - plug		
Connector: 1 x M12; coding: A; Contacts: gold-plated		
		
1	L+	
2	NC	
3	L-	
4	C: IO-Link	
Electrical connection - socket		
Connector: 1 x M12; coding: A; Contacts: gold-plated		
		
1	L+	
2	C/Q: IO-Link Master	
3	L-	
4	OUT1: switching output or IO-Link	
5	NC	

E43406



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Electrical connection

Connection

