

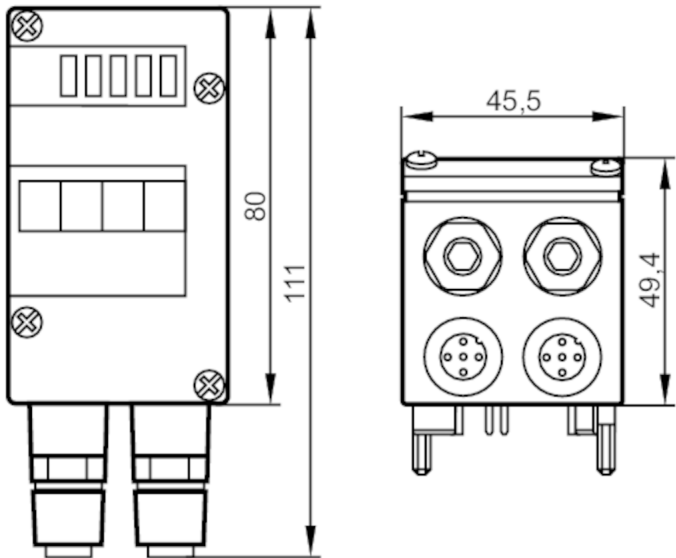


Safe AS-Interface universal module

Universal module 2SI 2xOSSD

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Application	
Application	connection of electro-sensitive protective equipment (ESPE) type 4 according to EN 61496-1
Electrical data	
Operating voltage [V]	26.5...31.6 DC
Current consumption [mA]	< 35
Protection class	III
Inputs	
Input circuit of digital inputs	PNP
voltage supply [V]	20.4...28.8
Max. total current rating of inputs [mA]	2000
Input current High [mA]	6...10
Input current Low [mA]	0...2
Switching level high [V]	> 11
Switching level low [V]	< 5
Digital inputs protected against short circuits	yes
Overload protection digital inputs	yes
Sensor supply of the inputs	ext. 24 V DC PELV
Outputs	
Electrical design	AS-i



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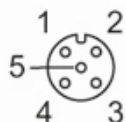
Operating conditions		
Ambient temperature	[°C]	-25...55
Storage temperature	[°C]	-25...85
Max. relative air humidity	[%]	95
Protection		IP 67
Tests / approvals		
EMC	EN 50295	
	IEC 62026-2	
Safety classification		
ISO 13849-1	category: 4, PL: e	
IEC 61508	SIL 3	
Mission time TM	[h]	87600
Mission time TM (additional indication)	10 years	
	calculation basis	
	Ambient temperature: 40 °C	
Safety-related reliability PFHD	[1/h]	1.54E-09
Max. internal capacitance	[nF]	10
AS-i classification		
AS-i version	2.1 + 3.0	
Extended addressing mode possible	no	
AS-i profile	S-0.B.E	
AS-i I/O configuration	[hex]	0
AS-i ID code	[hex]	B.E
AS-i certificate	80002	
Mechanical data		
Weight	[g]	280
Materials	PA 6	
Displays / operating elements		
Display	operation	LED, green
	errors	LED, red
	function	LED, yellow
Remarks		
Pack quantity	1 pcs.	
Electrical connection - receiver		
	socket 3 receiver	
1	supply + 24 V DC	
2	OSSD2	
3	supply 0 V	
4	OSSD1	
5	FE	
Connector: M12		

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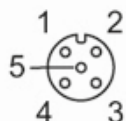
Universal module 2SI 2xOSSD



Electrical connection - transmitter

	socket 4 transmitter
1	supply +24 V DC
2	not used
3	supply 0 V
4	supply +24 V DC test
5	FE

Connector: M12



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