



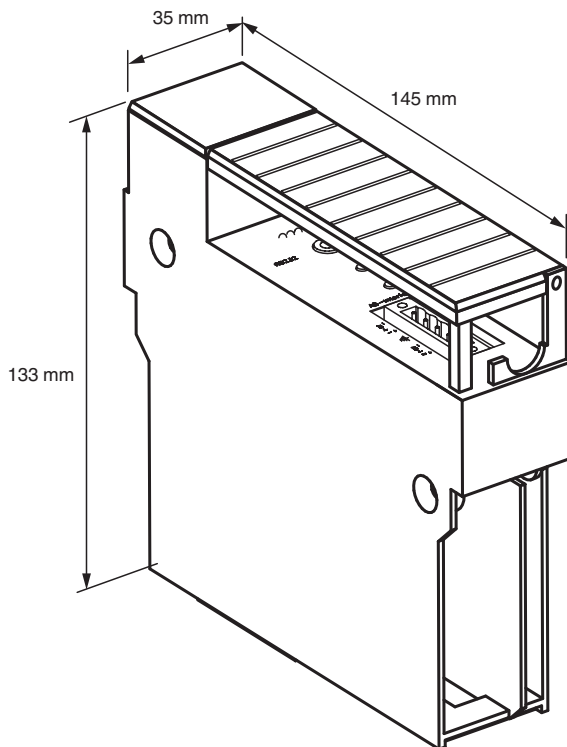
AS-Interface master VBM-CLX-DM

- Gateway compliant with AS-Interface specification 3.0
- 2 AS-Interface networks
- Commissioning, locally on the gateway or via AS-i Control Tools software
- Connects directly to ControlLogix backplane
- Hot Swappable
- Can be mounted in the local rack or in a remote EtherNet/IP or ControlNet rack

AS-Interface Scanner for ControlLogix PLC



Dimensions



Technical Data

General specifications

AS-Interface specification	V3.0
PLC-Functionality	none

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

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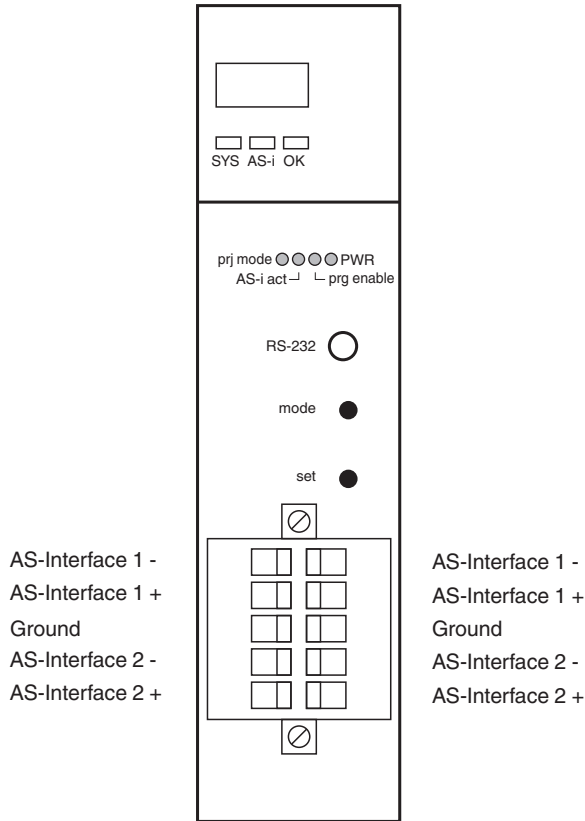
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Technical Data

Description	AS-Interface Scanner for ControlLogix PLC		
Functional safety related parameters			
MTTF _d	115 a at 30 °C		
Indicators/operating means			
Display	LC display		
LED SYS	LED green: Power on		
LED OK	LED green: AS-Interface network running normally; LED green flashing: Configuration mode; LED red flashing: Peripheral fault; LED red: Configuration error;		
LED AS-i ACTIVE	LED green: AS-Interface running normally		
LED PWR	LED green: Power on		
LED PRJ MODE	project mode active; LED yellow		
LED AS-i	LED green: AS-I network running normally; LED green flashing: Configuration mode; LED red flashing: Peripheral fault; LED red: Configuration error		
Switch SET	Selection and setting of a slave address		
Button MODE	Mode selection PRJ-operation/save configuration/cursor		
Electrical specifications			
Insulation voltage	U _i	≥ 500 V	
Rated operating voltage	U _e	from backplane	
Rated operating current	I _e	70 mA from Network 1 70 mA from Network 2 390 mA from 5.1 V DC, 2 mA from 24 V DC backplane	
Interface			
Protocol	ControlLogix, backplane		
Interface 2			
Interface type	RS 232, serial		
Connection			
AS-Interface	double row terminals, removable		
Directive conformity			
Electromagnetic compatibility			
Directive 2014/30/EU	EN 62026-2:2013		
Standard conformity			
Electromagnetic compatibility	EN 61000-6-2:2005, EN 61000-6-4:2001, EN 50295:1999		
Degree of protection	EN 60529:2000		
AS-Interface	EN 62026-2:2013		
Shock resistance	EN 61131-2		
Ambient conditions			
Ambient temperature	0 ... 55 °C (32 ... 131 °F)		
Storage temperature	-25 ... 85 °C (-13 ... 185 °F)		
Mechanical specifications			
Degree of protection	IP20		
Mass	375 g		
Construction type	Mounting into backplane of ControlLogix PLC rack		

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Connection



Accessories

	<p>VAZ-SW-DIAGNOSTIC</p>	<p>Software for diagnostics, servicing, and final measurement of AS-Interface installations for all K20 and K30-type masters</p>
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Programming

DATA MAPPING – ControlLogix

The ControlLogix-Scanner works with all models.
 An example of an RS Logix 5000 screen capture for ControlLogix mapping (slot 1).

Tag Name	Value	Type	Description
[-] ASi_Input	{ ... }	AB:1756_MODUL...	AS-i Input Data, Mailbox In
[+] ASi_Output	{ ... }	AB:1756_MODUL...	AS-i Output Data, Mailbox Out
[-] ASi_Output.Data	{ ... }	INT[50]	AS-i Output Data, Mailbox Out
[-] ASi_Output.Data[0]	2048	INT	Circuit 1: Flags, Outputs AS-i Slaves 1..3
[-] ASi_Output.Data[0].0	0	BOOL	C1: AS-i Slave 3, Bit 0
[-] ASi_Output.Data[0].1	0	BOOL	C1: AS-i Slave 3, Bit 1
[-] ASi_Output.Data[0].2	0	BOOL	C1: AS-i Slave 3, Bit 2
[-] ASi_Output.Data[0].3	0	BOOL	C1: AS-i Slave 3, Bit 3
[-] ASi_Output.Data[0].4	0	BOOL	C1: AS-i Slave 2, Bit 0
[-] ASi_Output.Data[0].5	0	BOOL	C1: AS-i Slave 2, Bit 1
[-] ASi_Output.Data[0].6	0	BOOL	C1: AS-i Slave 2, Bit 2
[-] ASi_Output.Data[0].7	0	BOOL	C1: AS-i Slave 2, Bit 3
[-] ASi_Output.Data[0].8	0	BOOL	C1: AS-i Slave 1, Bit 0
[-] ASi_Output.Data[0].9	0	BOOL	C1: AS-i Slave 1, Bit 1
[-] ASi_Output.Data[0].10	0	BOOL	C1: AS-i Slave 1, Bit 2
[-] ASi_Output.Data[0].11	1	BOOL	C1: AS-i Slave 1, Bit 3
[-] ASi_Output.Data[0].12	0	BOOL	C1: AS-i off-line
[-] ASi_Output.Data[0].13	0	BOOL	C1: LOS-Master-Bit
[-] ASi_Output.Data[0].14	0	BOOL	C1: switch to ConfigurationMode
[-] ASi_Output.Data[0].15	0	BOOL	C1: switch to ProtectedMode

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