

SIMATIC S7-1200, CM 1243-2, COMMUNICATION
MODULE AS-INTERFACE MASTER ACCOR. AS-
INTERFACE SPEC. V3.0



Figure similar

General technical data:		
Product designation		AS-Interface Master
Product type designation		CM 1243-2
Protection class IP		IP20
Type of electrical connection of the AS-interface		Screw-type connection
Type of voltage supply		via backplane bus
Operating condition separate power supply 24 V		No
Consumed current		
<ul style="list-style-type: none"> from profile conductors of the AS-interface 	mA	100
<ul style="list-style-type: none"> — at 30 V maximum 		
<ul style="list-style-type: none"> from backplane bus maximum 	mA	250
Power loss [W]	W	2.9
Insulation voltage rated value	V	500
Product function suitable for AS-i Power24V		Yes
<ul style="list-style-type: none"> Note 		All product versions
Product feature redundancy capability		No
Product function		

<ul style="list-style-type: none"> • web-based management • Diagnostics via email • Galvanic isolation 		No
		No
		Yes
Display version		
<ul style="list-style-type: none"> • as status display by LED 		AS-i, PF, CM, CER, DIAG
Type of configuration of the AS-interface		With STEP 7, command interface

Communication/ Protocol:

Version of the AS-interface specification		V 3.0
AS-interface master profile is supported		M4 (in acc. with AS-interface specification V 3.0)
Type of data transmission		S7-1200 backplane bus
Number of units per CPU maximum		1
Number of interfaces		
<ul style="list-style-type: none"> • as AS-interface • acc. to RS 485 • acc. to Industrial Ethernet • acc. to PROFINET • acc. to wireless • acc. to USB • other 		1 0 0 0 0 0 0
Product component optical interface		No
Protocol is supported		
<ul style="list-style-type: none"> • ASIsafe (Safety at work) protocol • PROFI-safe protocol • PROFIBUS protocol • PROFINET IO protocol • PROFINET CBA protocol • TCP/IP • SNMP 		No No No No No No No
Standard for wireless communication IEEE 802.11		No

Inputs/ Outputs:

Number of inputs for AS Interface maximum		496
Number of outputs for AS Interface maximum		496
Number of AS-i slaves per AS-Interface maximum		62
Bus cycle time of the AS-interface		
<ul style="list-style-type: none"> • for 31 slaves • for 62 slaves 	ms ms	5 10
Access to digital I/O data		via process image/peripheral addresses
Access to analog I/O data		via process diagram/peripheral addresses and data record transfer

Mechanical data:

Width	mm	30
--------------	----	----

Height	mm	100
Depth	mm	75
Mounting type		snap-on fastening on 35 mm standard rail
Module format		S7-1200 design







Ambient conditions:

Ambient temperature		
• if installed on horizontal mounting rail	°C	0 ... 55
• if installed on vertical mounting rail during operation	°C	0 ... 45
• during transport	°C	-40 ... +70
• during storage	°C	-40 ... +70
Relative humidity at 25 °C during operation maximum	%	95
Installation altitude at height above sea level maximum	m	2 000

Safety related data:

Suitability for use safety-related function		No
Explosion protection marking for intrinsic safety of related equipment		
• EEx ia		No
• EEx ib		No
Explosion protection category for gas		none
Explosion protection category for dust		none

Certificates/ approvals:

General Product Approval	For use in hazardous locations	Declaration of Conformity
<p>FM</p>  	<p>Explosion Protection Certificate</p> 	 <p>EG-Konf.</p>
Shipping Approval	other	
 <p>GL</p>	<p>NK / Nippon Kaiji Kyokai</p>  <p>ASi</p>	<p>Confirmation</p> <p>Environmental Confirmations</p>

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

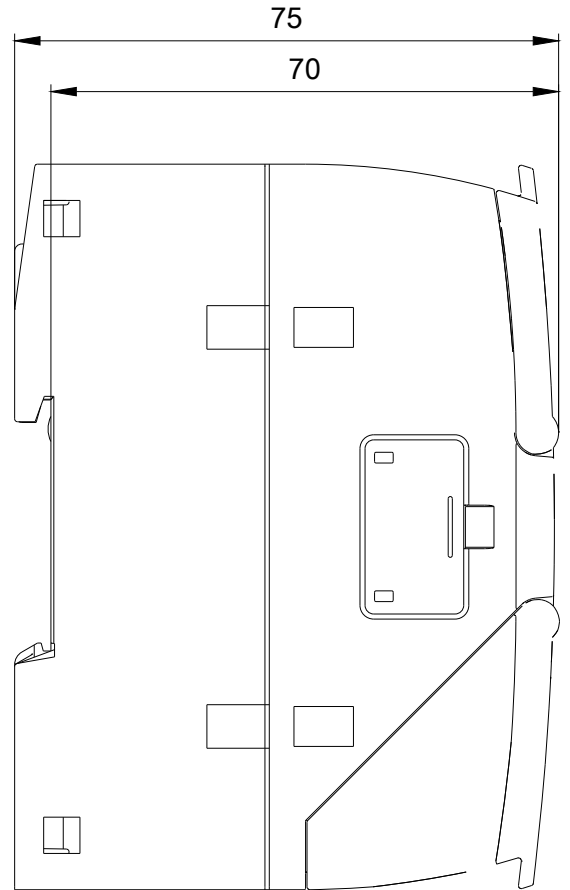
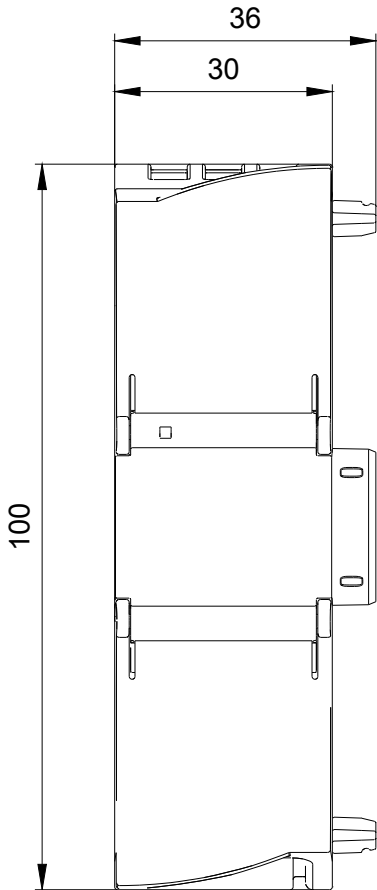
<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

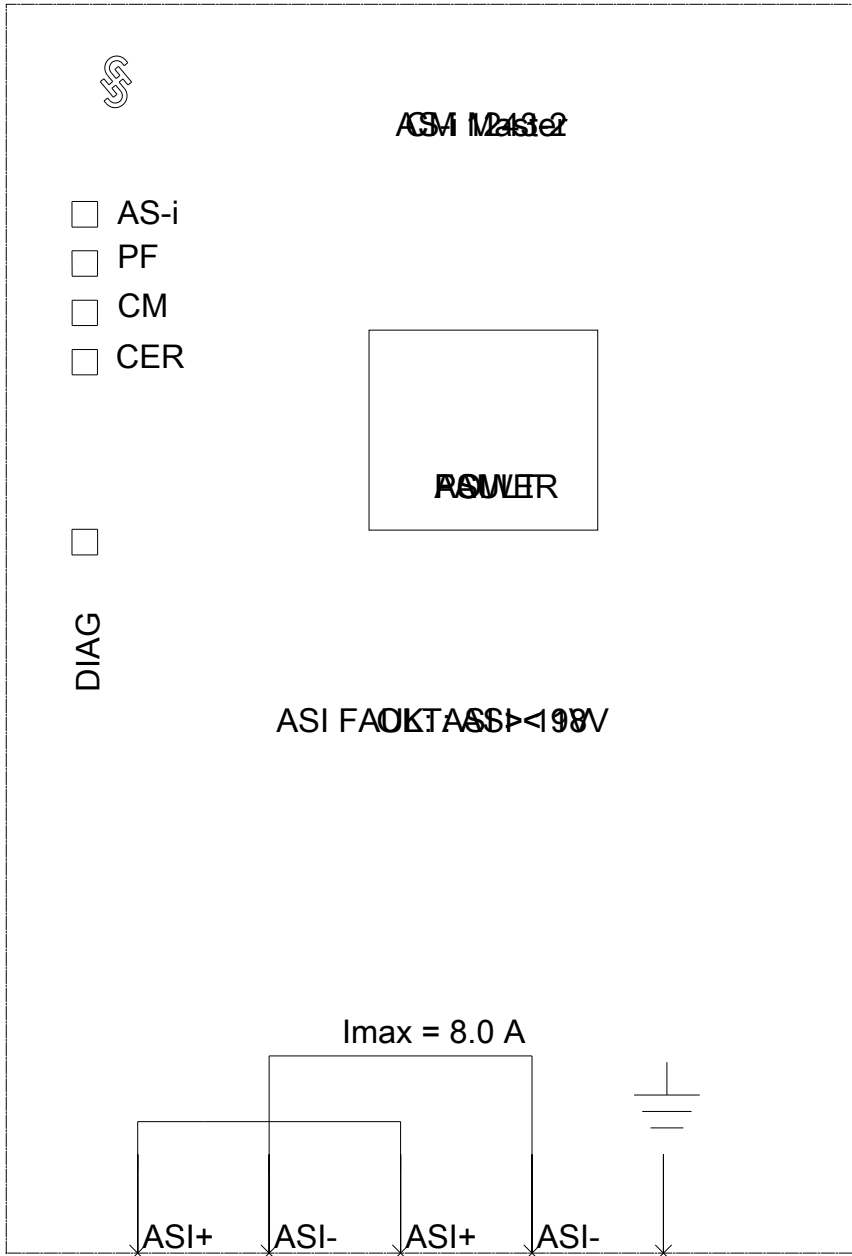
<http://www.siemens.com/industrymall>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mfb=3RK7243-2AA30-0XB0>



-A1



last modified:

07/17/2017