SIEMENS

Data sheet 3RK7243-2AA30-0XB0



SIMATIC S7-1200, CM 1243-2 communication module AS-Interface master according to AS-i specification V3.0

General technical data		
product designation		CM 1243-2
product type designation		ET 200SP
protection class IP		IP20
type of electrical connection of the AS-Interface		Screw-type connection
type of voltage supply		via backplane bus
consumed current		
● from profile conductors of the AS-Interface		
— at 30 V maximum	mA	100
● from backplane bus maximum	mA	250
power loss [W]	W	2.9
insulation voltage rated value	V	500
product feature redundancy capability		No
product function suitable for AS-i Power24V		Yes
● note		All product versions
product function		
● web-based management		No
● diagnostics via email		No
● galvanic isolation		Yes
display version		
● as status display by LED		AS-i, PF, CM, CER, DIAG
type of configuration of the AS-Interface		With STEP7, 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		3
number of units per CPU maximum note		Max. 3 communication modules in total (CM /CP)
number of interfaces		
● as AS-Interface		1
● according to RS 485		0
● according to Industrial Ethernet		0
● according to PROFINET		0
● according to wireless		0
● according to USB		0
● other		0
product component optical interface		No
protocol is supported		
● ASIsafe (Safety at work) protocol		No

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● PROFIsafe protocol		No
● PROFIBUS protocol		No
● PROFINET IO protocol		No
● PROFINET CBA protocol		No
● TCP/IP		No
● SNMP		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 devices per AS-Interface maximum		62
bus cycle time of the AS-Interface		
● for 31 devices	ms	5
● for 62 devices	ms	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
fastening method		snap-on fastening on 35 mm DIN rail
module format		S7-1200 design
Ambient conditions		
ambient temperature		
● if installed on horizontal mounting rail during operation	°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		II 3 G Ex ec IIC T4 Gc
explosion protection category for dust		none

Certificates/ approvals

General Product Approval				EMV	For use in hazard-ous locations
FM	UL	EAC	CE EG-Konf.	RCM	CCC-Ex

For use in hazardous locations				Test Certificates	Maritime application
ATEX	Miscellaneous	IECEx	UL	Special Test Certific-ate	DNV

other	Environment

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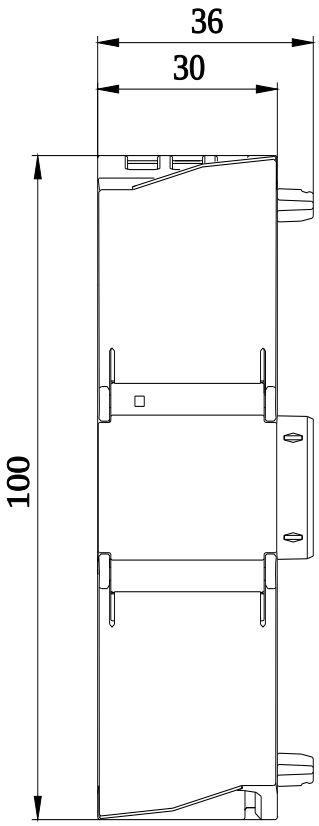
Confirmation

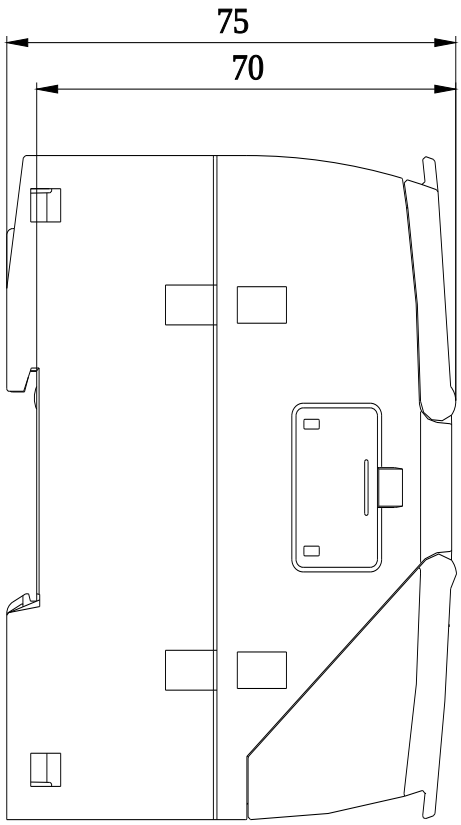
产品合格
QC PASS

Environmental Confirmations

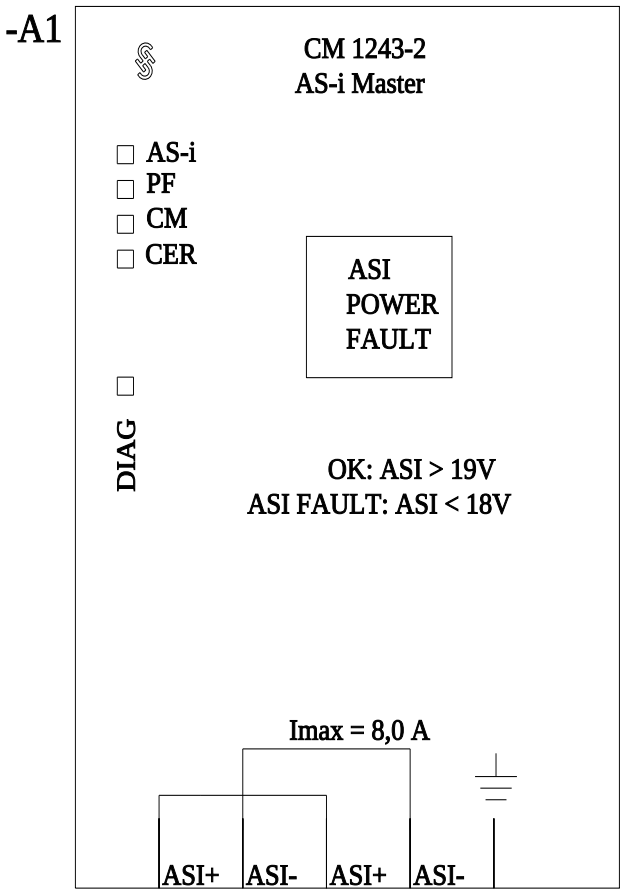
Further information

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information for data generation and storage
https://support.industry.siemens.com/cs/ww/en/view/109995012
Information- and Downloadcenter (Catalogs, Brochures,…)
https://www.siemens.com/ic10
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK7243-2AA30-0XB0
Cax online generator
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK7243-2AA30-0XB0
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RK7243-2AA30-0XB0
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK7243-2AA30-0XB0&lang=en





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