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Data sheet 3RK7243-2AA30-0XB0

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		
• from profile conductors of the AS-interface		
— at 30 V maximum	mA	100
• from backplane bus maximum	mA	250
Active power loss	W	2.9
Insulation voltage Rated value	V	500
Product function suitable for AS-i Power24V		Yes
• Note		All product versions
Product property redundancy capability		No
Product function		
• web-based management		No
• Diagnostics via email		No

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• Galvanic isolation		Yes
Display version		
• 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		
• as AS-interface		1
• acc. to RS 485		0
• acc. to Industrial Ethernet		0
• acc. to PROFINET		0
• acc. to wireless		0
• acc. to USB		0
• other		0
Product component optical interface		No
Protocol is supported		
• ASIsafe (Safety at work) protocol		No
• 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 slaves per AS-Interface maximum		62
Bus cycle time of the AS-interface		
• for 31 slaves	ms	5
• for 62 slaves	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

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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
FM	UL	EAC	Explosionsschutzzertifikat	ATEX	EG-Konf.

Shipping Approval	other		
GL	ASi	Bestätigungen	Umweltbestätigung

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&mlfb=3RK72432AA300XB0

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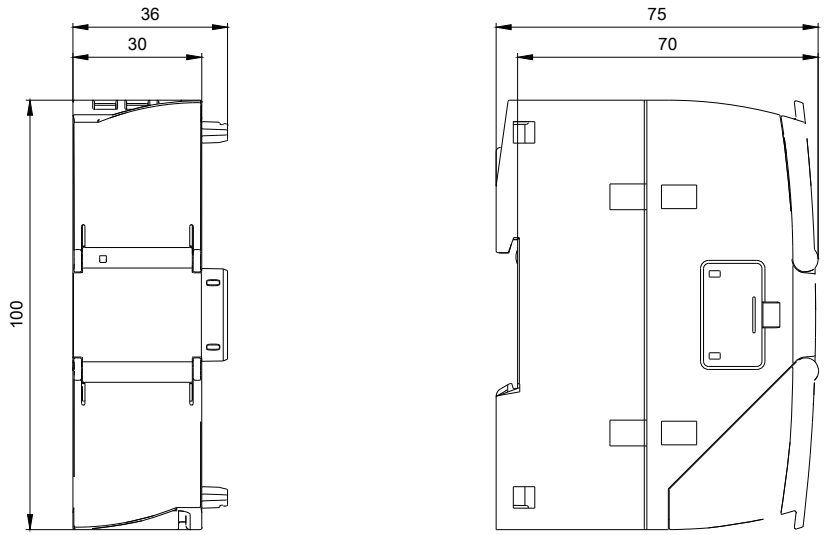
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RK72432AA300XB0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK72432AA300XB0&lang=en



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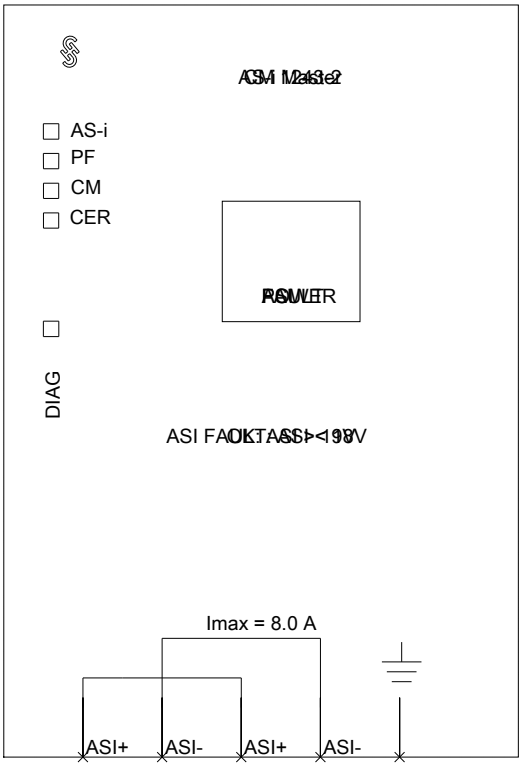

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