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Data sheet 3RK7137-6SA00-0BC1



SIMATIC ET 200SP communications module CM AS-i Master ST according to AS-Interface specification V3.0

General technical data		
product designation		CM AS-i Master ST
product type designation		ET 200SP
protection class IP		IP20
type of electrical connection of the AS-Interface		ET 200SP BaseUnit (Type C0), 20 mm
type of voltage supply		Via AS-i and backplane bus
consumed current		
● from profile conductors of the AS-Interface		
— at 30 V maximum	mA	70
— at 24 V with AS-i Power24V maximum	mA	70
● from backplane bus maximum	mA	5
power loss [W]	W	1.7
insulation voltage rated value	V	500
product feature redundancy capability		Yes
● note		From firmware V1.1.0, PROFINET system redundancy S2, in conjunction with IM 155-6 PN HF / IM 155-6 MF HF. From firmware V1.1.11, PROFINET system redundancy R1, in conjunction with IM 155-6 PN R1.
product function suitable for AS-i Power24V		Yes
● note		All product versions
product function suitable for operation on PROFINET R1 IMs		Yes
● note		From firmware V1.1.11, PROFINET system redundancy R1, in conjunction with IM 155-6 PN R1.
product function		
● web-based management		No
● diagnostics via email		No
● galvanic isolation		Yes
display version		
● as status display by LED		DIAG, AS-i OK, AS-i FAULT, PF, CER, CM, AUP, PWR, SL_Xy (A), SL_xY (B)
type of configuration of the AS-Interface		SET pushbutton (optional) on the device, STEP 7, GSD, 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		ET 200SP backplane bus
number of interfaces		
● as AS-Interface		1
● according to RS 485		0
● according to Industrial Ethernet		0

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● 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
● 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	20
height	mm	69.2
depth	mm	53.6
fastening method		pluggable in BaseUnit
module format		IP20
Ambient conditions		
ambient temperature		
● if installed on horizontal mounting rail during operation	°C	-25 ... +60
● if installed on vertical mounting rail during operation	°C	-25 ... +50
● 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	other

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Miscellaneous

IECEx

ATEX

Special Test Certific-ate

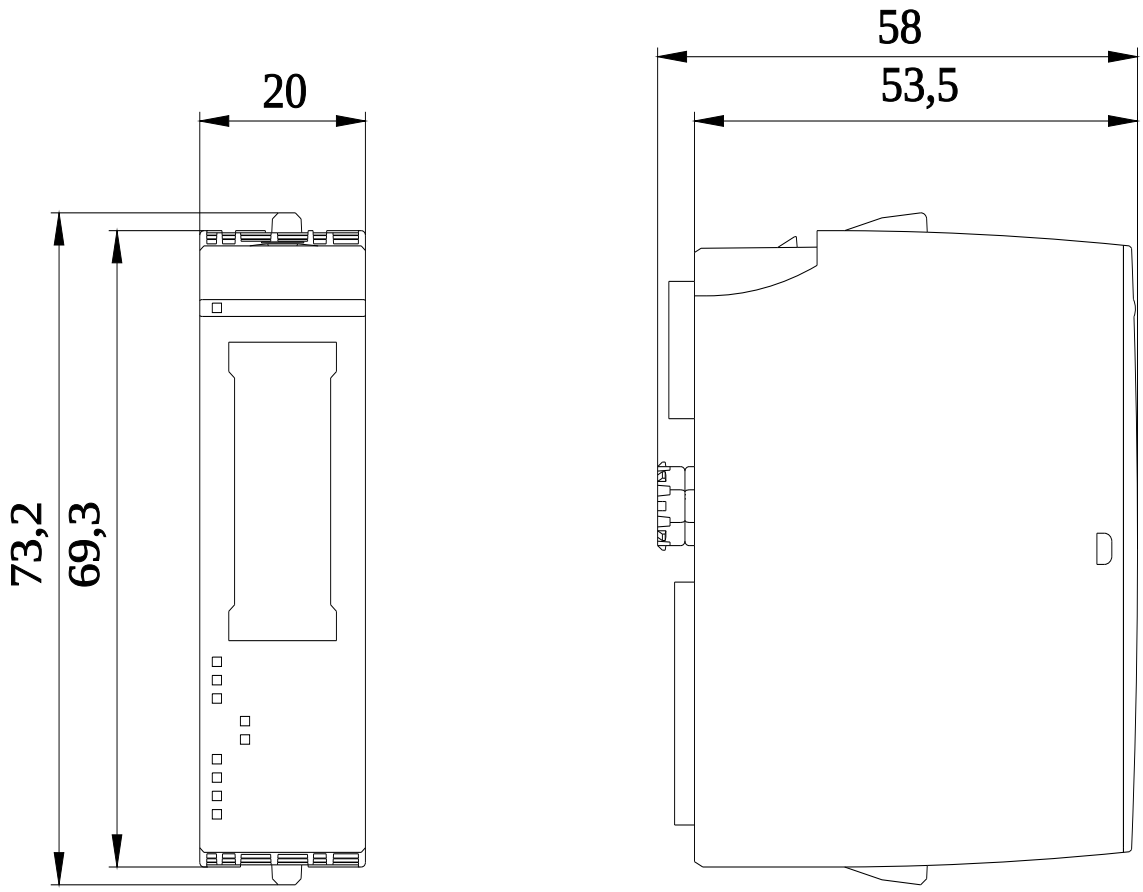
DNV

产品合格 QC PASS

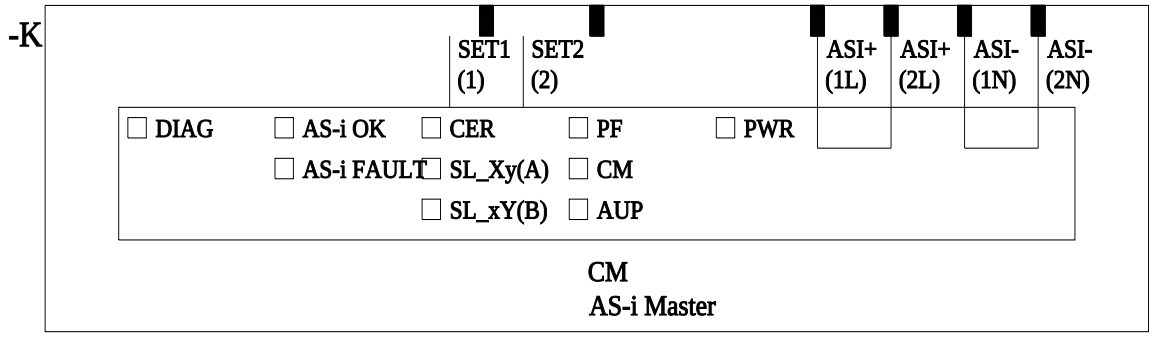
other	Environment	Industrial Communication
Confirmation	Environmental Con-firmations	ASi

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=3RK7137-6SA00-0BC1
Cax online generator
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK7137-6SA00-0BC1
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RK7137-6SA00-0BC1
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK7137-6SA00-0BC1&lang=en



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