



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

General technical data

product designation		AS-Interface Master
product type designation		CM AS-i Master ST
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
operating condition separate power supply 24 V		No
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	20
power loss [W]	W	1.7
insulation voltage rated value	V	500
product function suitable for AS-i Power24V		Yes
• note		All product versions
product feature redundancy capability		No
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 on device, STEP7, 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
• 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
- PROFINET IO protocol
- PROFINET CBA protocol
- TCP/IP
- SNMP

standard for wireless communication IEEE 802.11

No
No
No
No
No
No

Inputs/ Outputs

number of inputs for AS-Interface maximum
number of outputs for AS-Interface maximum
number of AS-i slaves per AS-Interface maximum
bus cycle time of the AS-Interface
• for 31 slaves
• for 62 slaves
access to digital I/O data
access to analog I/O data

ms
ms

496
496
62
5
10
via process image/peripheral addresses
via process diagram/peripheral addresses and data record transfer

Mechanical data

width
height
depth
fastening method
module format

mm
mm
mm

20
69.2
53.6
pluggable in BaseUnit
IP20

Ambient conditions

ambient temperature
• if installed on horizontal mounting rail
• if installed on vertical mounting rail during operation
• during transport
• during storage
relative humidity at 25 °C during operation maximum
installation altitude at height above sea level maximum

°C
°C
°C
°C
%
m

0 ... 60
0 ... 50
-40 ... +70
-40 ... +70
95
2 000

Safety related data

suitability for use safety-related function
explosion protection marking for intrinsic safety of related equipment
• EEx ia
• EEx ib
explosion protection category for gas
explosion protection category for dust

No
No
No
none
none

Certificates/ approvals

General Product Approval

EMC

For use in hazardous locations

[Confirmation](#)

[FM](#)



For use in hazardous locations

Declaration of Conformity

Marine / Shipping

other



[Confirmation](#)

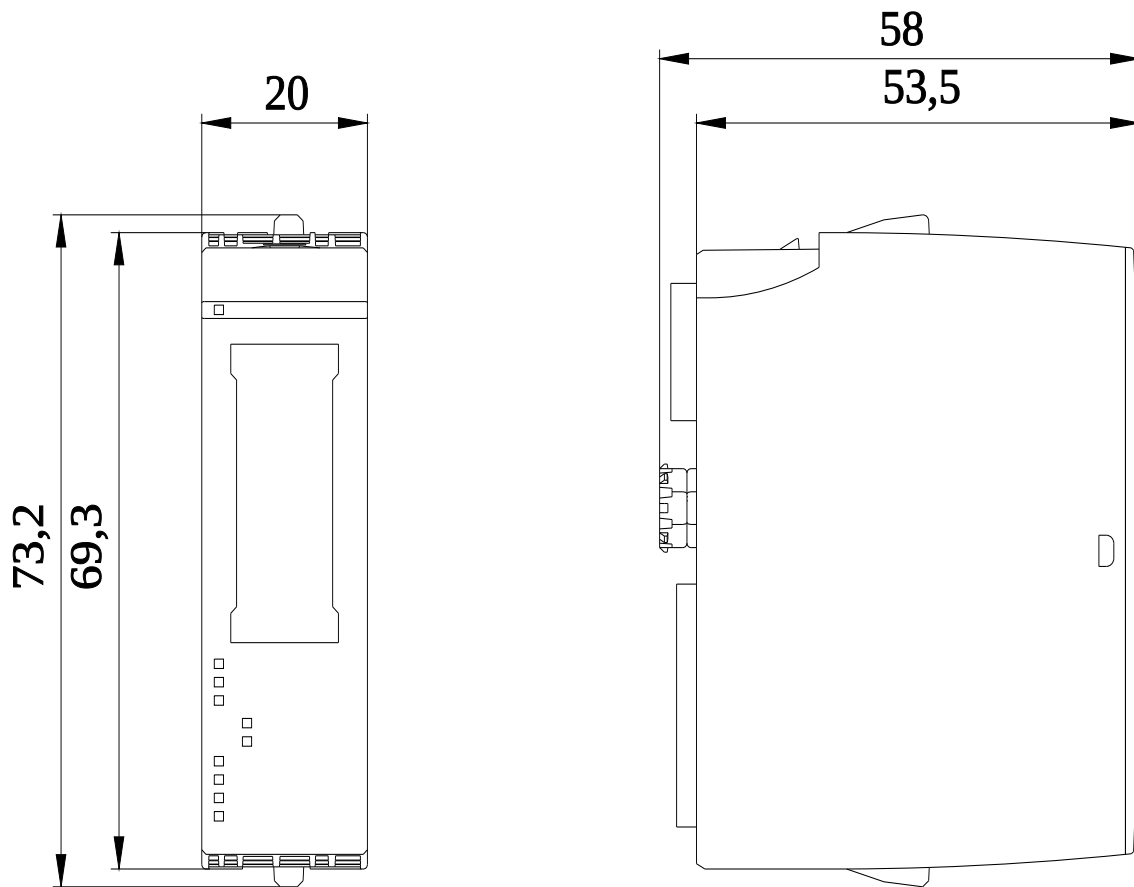
Further information

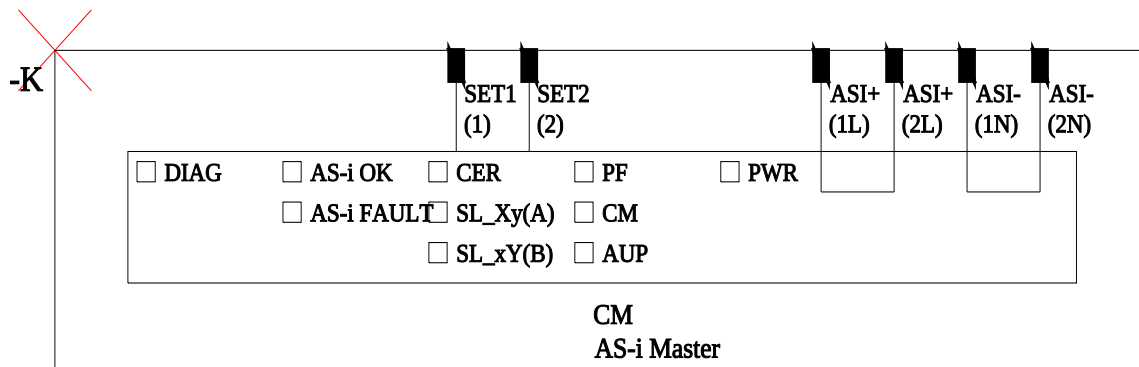
Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK7137-6SA00-0BC1>





last modified:

1/18/2021