SIEMENS

Data sheet   **3RK3511-1BA10**

SIRIUS, interface module DP interface, for modular safety system 3RK3 PROFIBUS DP interface 12 Mbps, RS 485 45 mm overall width screw terminal can be parameterized via Safety ES without connection cable

product brand name		SIRIUS
product category		Modular safety system
product designation		Interface module
design of the product		DP-Interface
General technical data		
protection class IP		IP20
shock resistance		15g / 11 ms
degree of pollution		2
certificate of suitability UL approval		Yes
vibration resistance according to IEC 60068-2-6		5 ... 500 Hz: 0.75 mm
reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750		K
reference code according to EN 61346-2		K
Communication/ Protocol		
protocol is supported		
● PROFIBUS DP protocol		Yes
Control circuit/ Control		
type of voltage		DC
inrush current peak at 24 V	A	70
duration of inrush current peak at 24 V	ms	1
Installation/ mounting/ dimensions		
fastening method		DIN rail
mounting position		vertical
width	mm	45
height	mm	111
depth	mm	124
Connections/ Terminals		
type of electrical connection		screw-type terminals
connectable conductor cross-section for auxiliary contacts		
● solid or stranded	mm²	0.5 ... 4
● finely stranded		
— with core end processing	mm²	0.5 ... 2.5
type of connectable conductor cross-sections for auxiliary contacts		
● solid		1x (0.5 ... 4 mm²), 2x (0.5 ... 2.5 mm²)
● finely stranded		
— with core end processing		1x (0.5 ... 2.5 mm²), 2x (0.5 ... 1.5 mm²)
AWG number as coded connectable conductor cross section		
● for auxiliary contacts		20 ... 14
type of connectable conductor cross-sections at AWG		

2/14/2023

cables		
● for auxiliary contacts		2x (20 ... 14)

Electromagnetic compatibility

conducted interference due to burst according to IEC 61000-4-4		2 kV (power ports)
conducted interference due to conductor-earth surge according to IEC 61000-4-5		Test Level 0.5 KV / 1 KV

Ambient conditions

installation altitude at height above sea level maximum	m	2 000
ambient temperature		
● during operation	°C	-20 ... +60
● during storage	°C	-40 ... +85
● during transport	°C	-40 ... +85
relative humidity during operation	%	10 ... 95

Certificates/ approvals

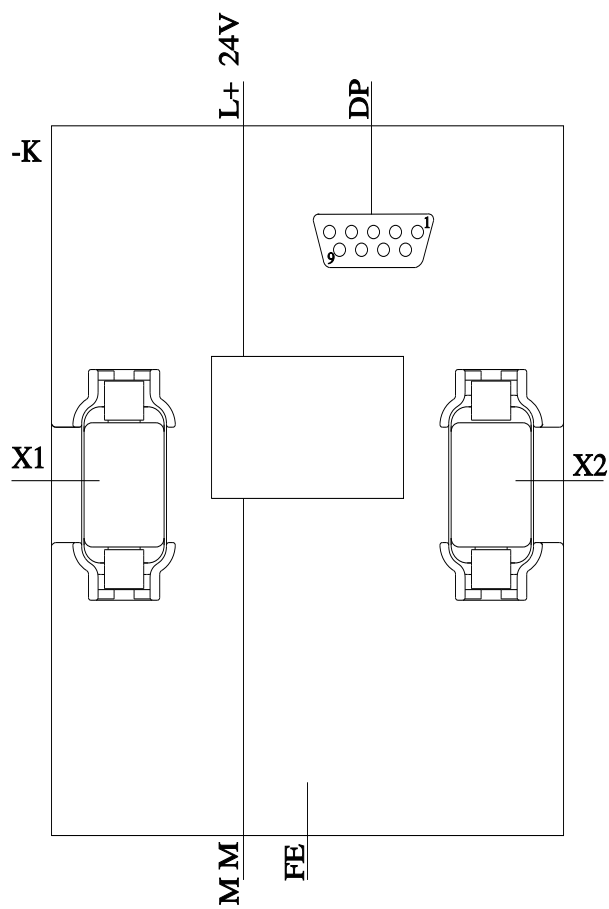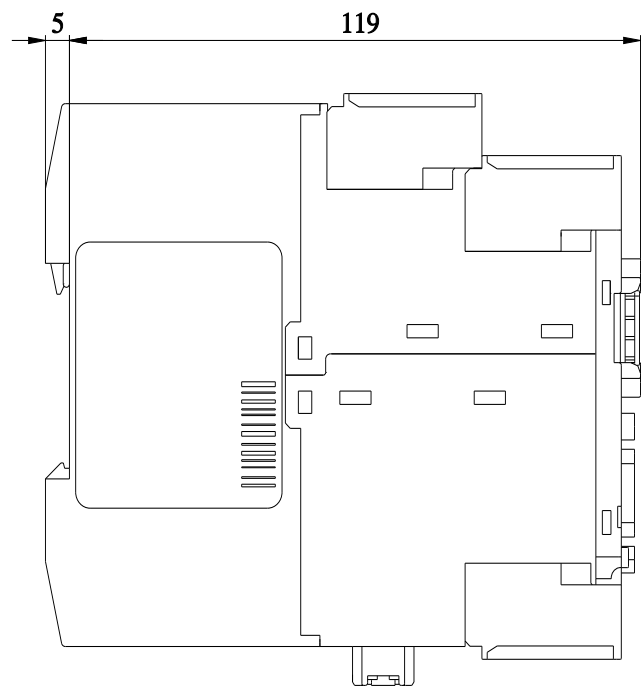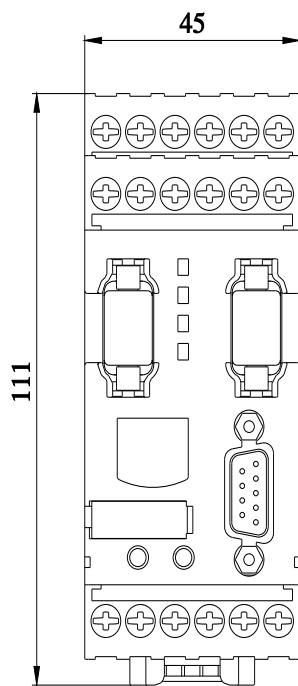| General Product Approval			EMC	Functional Safety/Safety of Machinery
CSA	Confirmation	UL EAC	RCM	Miscellaneous

Declaration of Conformity	Test Certificates	other
UKCA CE EG-Konf.	Type Test Certificates/Test Report	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=3RK3511-1BA10
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK3511-1BA10
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RK3511-1BA10
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK3511-1BA10&lang=en

Dimensions: 45, 111

Dimensions: 5, 119

-K

L+ 24V

DP

X1

X2

M M

FE