SIEMENS

Data sheet 3SK1230-1AW20



SIRIUS safety relay Power supply for 3SK1 Advanced series Us = 110-240 V AC/DC screw terminal

product brand name	SIRIUS
product category	Safety relays
product designation	Power supply
product type designation	3SK1
Product Function	
suitability for use safety-related function	Yes
General technical data	
certificate of suitability UL approval	Yes
power loss [W] maximum	2.5 W
insulation voltage rated value	300 V
degree of pollution	3
overvoltage category	3
surge voltage resistance rated value	4 000 V
consumed current maximum	0.25 A
protection class IP of the enclosure	IP20
shock resistance	10 g / 11 ms
vibration resistance according to IEC 60068-2-6	5 ... 500 Hz: 0.75 mm
reference code according to IEC 81346-2	T
Substance Prohibitance (day/month/year)	11/05/2012
SVHC substance name	Lead CAS-No. 7439-92-1 Lead monoxide (lead oxide) CAS-No. 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one CAS-No. 71868-10-5 Melamine CAS-No. 108-78-1 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol CAS-No. 119-47-1
Net Weight	0.149 kg
Ambient conditions	
installation altitude at height above sea level maximum	4 000 m
● note	Derating, see Product Notification 109792701
ambient temperature	
● during operation	-25 ... +60 °C
● during storage	-40 ... +80 °C
relative humidity during operation	10 ... 95 %
air pressure according to SN 31205	900 ... 1 060 hPa
Electromagnetic compatibility	
EMC emitted interference	IEC 60947-5-1, Class A
Short-circuit protection	
design of short-circuit protection	automatically start-up
Outputs	
property of the output short-circuit proof	Yes

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Control circuit/ Control	
type of voltage	AC/DC
control supply voltage at AC	
● at 50 Hz rated value	110 ... 240 V
● at 60 Hz rated value	110 ... 240 V
control supply voltage at DC rated value	110 ... 240 V
operating range factor control supply voltage rated value at DC	
● initial value	0.85
● full-scale value	1.1
operating range factor control supply voltage rated value at AC at 50 Hz	
● initial value	0.85
● full-scale value	1.1
operating range factor control supply voltage rated value at AC at 60 Hz	
● initial value	0.85
● full-scale value	1.1

Installation/ mounting/ dimensions	
mounting position	any
fastening method	screw and snap-on mounting
height	100 mm
width	22.5 mm
depth	121.6 mm
required spacing	
● with side-by-side mounting at the side	0 mm
● for grounded parts at the side	5 mm

Connections/ Terminals	
type of electrical connection	screw terminal
type of connectable conductor cross-sections	
● solid	1x (0.5 ... 2.5 mm²), 2x (1.0 ... 1.5 mm²)
● finely stranded with core end processing	1x (0.5 ... 2.5 mm²), 2x (0.5 ... 1.0 mm²)
● for AWG cables solid	1x (20 ... 14), 2x (18 ... 16)

Approvals Certificates

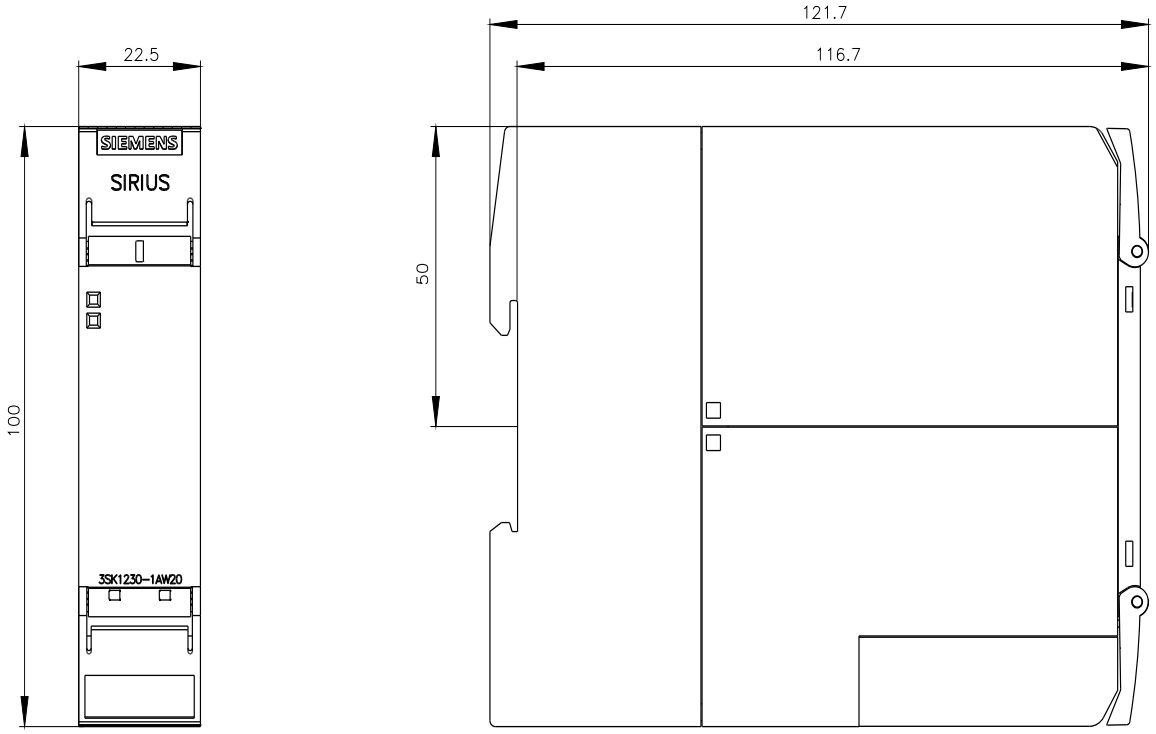
Environment	General Product Approval				
Environmental Confirmations	EPD	CCC	EAC	CE EG-Konf.	UKCA

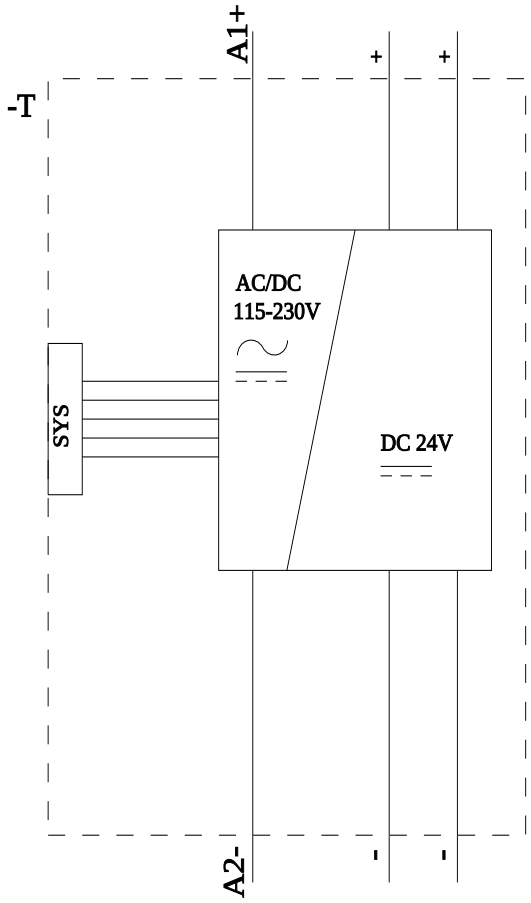
EMV		Functional Saftey	Test Certificates	other	
KC	RCM	Type Examination Certificate	Type Test Certificates/Test Report	Confirmation	产品合格 QC PASS

Further information

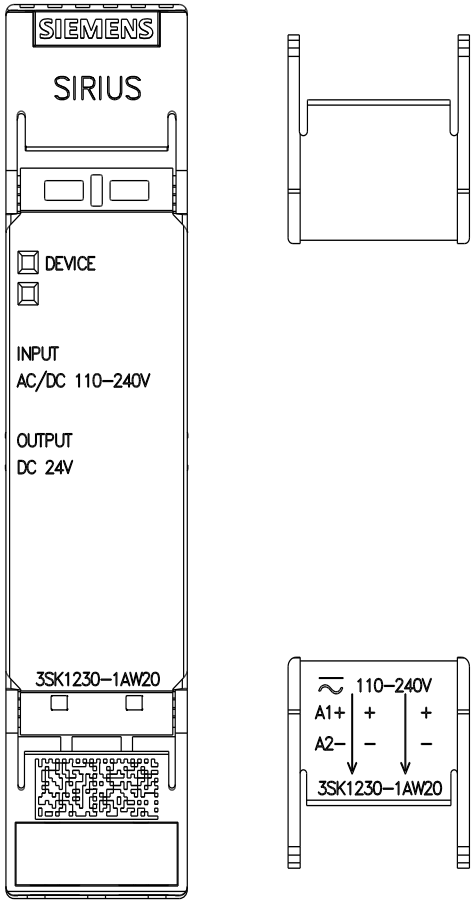
Information on the packaging
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Information for data generation and storage
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Information- and Downloadcenter (Catalogs, Brochures,…)
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