SIEMENS

Product data sheet

3SK1230-2AW20



SIRIUS SAFETY RELAY POWERSUPPLY FOR 3SK1 ADVANCED SERIES US = 115 - 230 V AC SPRING-LOADED CONNECTION

General technical details:

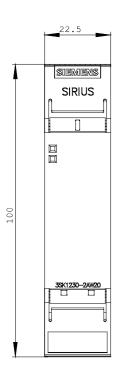
product brand nameIRIUSprotection class IP / of the housingIP20Insulation voltage / rated valueV300Impulse voltage resistance / rated valueV4,000Air pressure / according to SN 31205KPa90 106• during operating phase%10 95Installation altitude / at a height over sea level / maximumm2,000Resistance against vibration / according to IEC 60068-2-65 500 Hz: 0,75 mmResistance against shockInstallation category IIIEMC emitted interferenceInstallation category IIIOvervoltage classInstallation category IIIoduring storage°C40 +80• during operating°C-40 +80• during operating°C42 V/0.6 AGlavanic isolation / between entrance and outletYesType of display / for normal operationImageCharacter istic feature of the output / short-circuit protectedImage </th <th>General technical details:</th> <th></th> <th></th>	General technical details:		
Insulation voltage / rated valueV300Impulse voltage resistance / rated valueV4,000Air pressure / according to SN 31205kPa90 106• during operating phase%10 95Installation altitude / at a height over sea level / maximumm2,000Resistance against vibration / according to IEC 60068-2-65 500 Hz: 0,75 mmResistance against vibration / according to IEC 60068-2-610g / 11 msEMC emitted interference10g / 11 msEMC emitted interferenceInstallation category IIIDegree of pollution3Ambient temperature°C-40 +80• during operating°C-25 +60Type of current supplyG24 V / 0,6 AGalvanic isolation / between entrance and outletYesType of display / for normal operationGGreen LED for 24 V OK	product brand name		SIRIUS
Induction of a generating product of a generating product of a generating product of a generating phaseV4,000Air pressure / according to SN 31205kPa90 106• during operating phase%10 95Installation altitude / at a height over sea level / maximumm2,000Resistance against vibration / according to IEC 60068-2-65 500 Hz: 0,75 mmResistance against shock10g / 11 msEMC emitted interferenceIEC 60947-5-1, Class AOvervoltage classInstallation category IIIDegree of pollution3Ambient temperature°C• during storage°C• during operating°C• during operating24 V / 0,6 AGalvanic isolation / between entrance and outletYesType of display / for normal operationGreen LED for 24 V OK	protection class IP / of the housing		IP20
Air pressure / according to SN 31205KPa90 106• during operating phase%10 95Installation altitude / at a height over sea level / maximumm2,000Resistance against vibration / according to IEC 60068-2-65 500 Hz: 0,75 mmResistance against shock10g / 11 msEMC emitted interferenceIEC 60947-5-1, Class AOvervoltage classInstallation category IIIDegree of pollution3Ambient temperature°C• during storage°C• during operating°C• during operating°CType of current supplyGreen LED for 24 V OK	Insulation voltage / rated value	V	300
• during operating phase%10 95Installation altitude / at a height over sea level / maximumm2,000Resistance against vibration / according to IEC 60068-2-65 500 Hz: 0,75 mmResistance against shock10g / 11 msEMC emitted interferenceIEC 60947-5-1, Class AOvervoltage classInstallation category IIIDegree of pollution3Ambient temperature-• during storage°C• during operating°C• during operating°CType of current supply6Galvanic isolation / between entrance and outletYesType of display / for normal operationGalvanic	Impulse voltage resistance / rated value	V	4,000
Installation altitude / at a height over sea level / maximumm2,000Resistance against vibration / according to IEC 60068-2-65 500 Hz: 0,75 mmResistance against shock10g / 11 msEMC emitted interferenceIEC 60947-5-1, Class AOvervoltage classInstallation category IIIDegree of pollution3Ambient temperature°C• during operating°C- during operating°CType of current supply24 V / 0,6 AGalvanic isolation / between entrance and outletYesType of display / for normal operationGreen LED for 24 V OK	Air pressure / according to SN 31205	kPa	90 106
Resistance against vibration / according to IEC 60068-2-65 500 Hz: 0,75 mmResistance against shock10g / 11 msEMC emitted interference10g / 11 msOvervoltage classIEC 60947-5-1, Class AOvervoltage classInstallation category IIIDegree of pollution3Ambient temperature°C• during storage°C• during operating°CType of current supply6Galvanic isolation / between entrance and outletYesType of display / for normal operation6	during operating phase	%	10 95
Resistance against shock10g / 11 msEMC emitted interference10g / 11 msEMC emitted interferenceIEC 60947-5-1, Class AOvervoltage classInstallation category IIIDegree of pollution3Ambient temperature-• during storage°C• during operating°CType of current supplyCGalvanic isolation / between entrance and outletYesType of display / for normal operationC	Installation altitude / at a height over sea level / maximum	m	2,000
EMC emitted interferenceIEC 60947-5-1, Class AOvervoltage classInstallation category IIIDegree of pollution3Ambient temperature·· during storage°C· during operating°C· during operating°CType of current supplyImage: Control operationGalvanic isolation / between entrance and outletYesType of display / for normal operationImage: Control operation	Resistance against vibration / according to IEC 60068-2-6		5 500 Hz: 0,75 mm
Overvoltage classInstallation category IIIDegree of pollution3Ambient temperature·· during storage°C· during operating°C· during operating°CType of current supplyCGalvanic isolation / between entrance and outletYesType of display / for normal operationC	Resistance against shock		10g / 11 ms
Degree of pollution3Ambient temperature·• during storage°C• during operating°C· during operating°CType of current supply°CGalvanic isolation / between entrance and outletYesType of display / for normal operationGereen LED for 24 V OK	EMC emitted interference		IEC 60947-5-1, Class A
Ambient temperature°C-40 +80• during storage°C-40 +80• during operating°C-25 +60Type of current supply24 V / 0,6 AGalvanic isolation / between entrance and outletYesType of display / for normal operationGreen LED for 24 V OK	Overvoltage class		Installation category III
• during storage• C-40 +80• during operating• C-25 +60Type of current supply24 V / 0,6 AGalvanic isolation / between entrance and outletYesType of display / for normal operationGreen LED for 24 V OK	Degree of pollution		3
• during operating °C -25 +60 Type of current supply 24 V / 0,6 A Galvanic isolation / between entrance and outlet Yes Type of display / for normal operation Green LED for 24 V OK	Ambient temperature		
Type of current supply 24 V / 0,6 A Galvanic isolation / between entrance and outlet Yes Type of display / for normal operation Green LED for 24 V OK	during storage	°C	-40 +80
Galvanic isolation / between entrance and outlet Yes Type of display / for normal operation Green LED for 24 V OK	during operating	°C	-25 +60
Type of display / for normal operation Green LED for 24 V OK	Type of current supply		24 V / 0,6 A
	Galvanic isolation / between entrance and outlet		Yes
Characteristic feature of the output / short-circuit protected Yes	Type of display / for normal operation		Green LED for 24 V OK
	Characteristic feature of the output / short-circuit protected		Yes

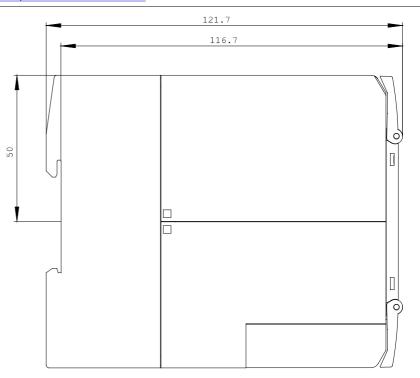
Product feature / Bridging of channels	_	No					
Consumed current / maximum	А	0.25					
Control supply voltage	_						
• for DC							
rated value	V	110 240					
• at 50 Hz / at AC							
rated value	V	110 240					
• at 60 Hz / at AC							
rated value	V	110 240					
Operating range factor control supply voltage rated value							
• for DC		0.85 1.1					
• at 50 Hz							
• for AC		0.85 1.1					
• at 60 Hz							
• for AC		0.85 1.1					
Resistive loss	W	17					
Control circuit:							
Output voltage / for DC / nominal value	V	24					
Output current							
nominal range	/ A	0.6					
Design of the short-circuit protection	Design of the short-circuit protection automatically start-up						
Installation/mounting/dimensions:							
mounting position		any					
Distance, to be maintained, to earthed part / sidewards	mm	5					
Distance, to be maintained, to the ranks assembly / sidewards	mm	0					
Type of mounting		screw and snap-on mounting					
Width	mm	22.5					
Height	mm	100					
Depth	mm	121.6					
Connections:							
Design of the electrical connection		spring-loaded terminals					
Type of the connectable conductor cross-section							
• solid		1x (0.5 1.5 mm²), 2x (0.5 1.5 mm²)					
finely stranded							
with wire end processing		1x (0.5 1.0 mm²), 2x (0.5 1.0 mm²)					
without wire end processing		1x (0.5 1.5 mm²), 2x (0.5 1.5 mm²)					
Type of the connectable conductor cross-section / for AWG conductors							

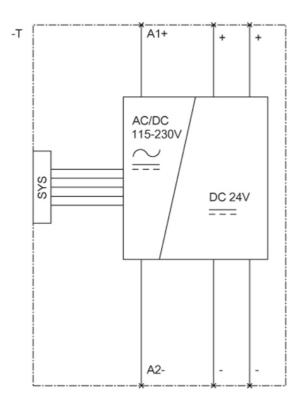
• solid • stranded				16), 2x (20 16) 16), 2x (20 16)		
Certificates/ap	provals:					
General Produc	ct Approval	EMC	Declaration of Conformity	Test Certificates		
(SA)		C-TICK	EG-Konf.	<u>Type Test</u> Certificates/Test Report		
Further inform	ation:					
Information- and Downloadcenter (Catalogs, Brochures,) http://www.siemens.com/industrial-controls/catalogs						
Industry Mall (Online ordering system) http://www.siemens.com/industrial-controls/mall						
Cax online gene						

Service&Support (Manuals, Certificates, Characteristics, FAQs,...) http://support.automation.siemens.com/WW/view/en/3SK1230-2AW20/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3SK1230-2AW20







last change:

Mar 11, 2013