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Data sheet 3RK7271-1AA30-0AA0



Figure similar

SIMATIC S7-1200, DCM 1271, DATA DECOUPLING MODULE, FOR AS-I MASTER CM 1243-2 IN: DC 24 V / 30 V OUT: 1 X AS-I, 4 A INTEGR. OVERLOAD PROTECTION, INTEGR. EARTH FAULT DETECTION, SIGNALING CONTACT

General technical data:		
product brand name		AS-Interface
Product designation		AS-Interface data decoupling unit
Design of the product		Communication module 30 mm for SIMATIC S7-1200
Protection class IP		IP20
Installation altitude at height above sea level maximum	m	2 000
Ambient temperature		
• during operation	°C	0 ... 55
• during storage	°C	-40 ... +70
Relative humidity at 25 °C during operation maximum	%	95
Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750		A
Equipment marking acc. to DIN EN 61346-2		A
Active power supplied	W	120
Product function		
• Auto-reset		Yes
• External reset		No
• Manual RESET		No

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• Ground fault detection		Yes
• Test function of signaling contacts		No
• suitable for grounded AS-i networks		Yes
• adapted for non-grounded AS-i networks		Yes
• suitable for AS-i Power24V		Yes
• sequential connected time-delay		No
• AS-interface data decoupling		Yes
Reset function		No
Adjustable response value current of the current-dependent overload release	A	4 ... 4
Number of electrical connections for signaling contact		3
Number of outputs for AS Interface maximum		1
Display version as status display by LED		EFD, ASI OL, DIAG
Design of the switching contact as NO contact for signaling function		No
Communication/ Protocol:		
Protocol is supported AS-interface protocol		Yes
Auxiliary circuit:		
Operating current of the auxiliary contacts		
• at DC-13 at 24 V	A	0.05
Inputs/ Outputs:		
Type of voltage		
• of the input voltages		DC
• of the input voltage		DC
Property of the output Short-circuit proof		Yes
Output voltage		
• 1 at DC		
— Rated value	V	30
— Rated value	V	20.5 ... 31.6
• 2 at DC Rated value	V	24
Output current at DC maximum	A	4
Input voltage		
• 1 at DC		
— Rated value	V	30
— Rated value	V	21 ... 32
• 2 at DC Rated value	V	24
Input current at DC maximum	A	4.1
Short-circuit:		
Design of short-circuit protection		electronic
Installation/ mounting/ dimensions:		

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mounting position		vertical, horizontal
Mounting type		35-mm DIN rail mounting or wall mounting with plug-in flaps
Width	mm	30
Height	mm	100
Depth	mm	75
Type of electrical connection for auxiliary and control current circuit		screw-type terminals
Product function removable terminal for auxiliary and control circuit		Yes
Type of connectable conductor cross-section		
• for auxiliary contacts		
— solid		3x (0.2 ... 3.3 mm²)
— finely stranded		
— with core end processing		3x (0.2 ... 3.3 mm²)
• for AWG conductors for auxiliary contacts		3x (24 ... 16)
Certificate of suitability		CE / cULus / FM / ATEX
Suitability for use safety-related circuits		No

Certificates/ approvals:

General Product Approval			For use in hazardous locations		Declaration of Conformity
FM	UL	EAC	Explosionsschutzzertifikat	ATEX	EG-Konf.

Shipping Approval	other		
GL	ASi	Umweltbestätigung	Bestätigungen

Further information

Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/industrial-controls/catalogs

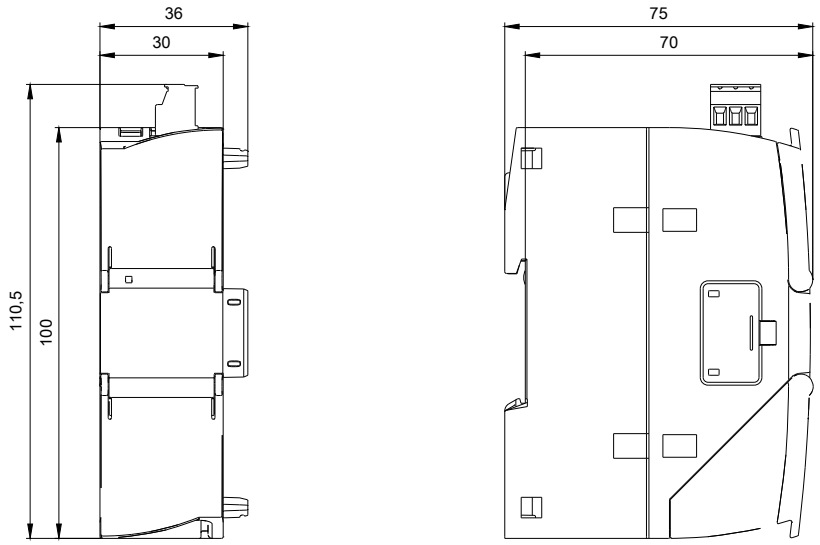
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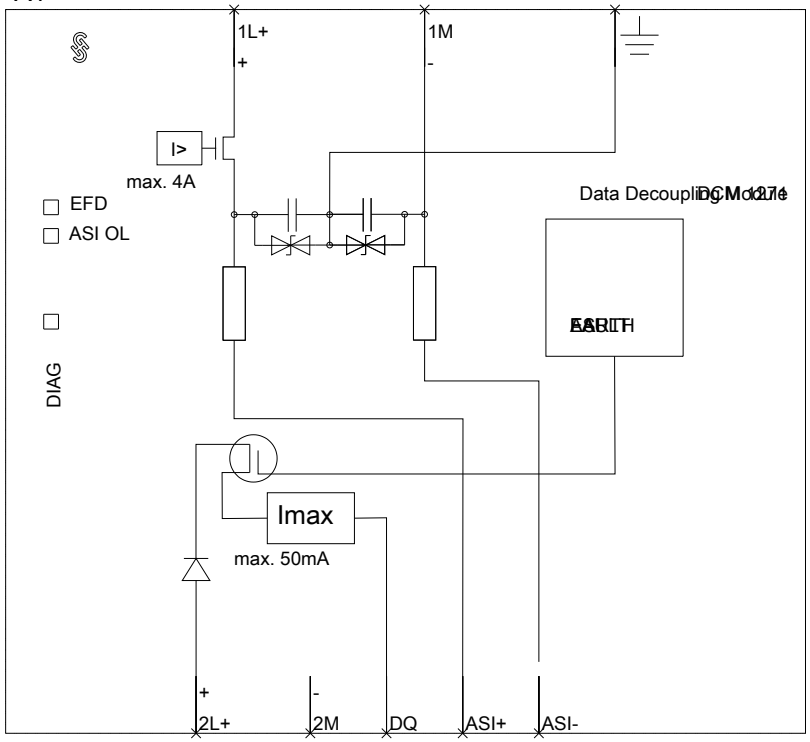
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RK72711AA300AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
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