

SIMATIC S7-1200, DCM 1271 Data decoupling module for AS-i Master CM 1243-2 IN: 24 V / 30 V DC OUT: 1x AS-Interface, 4 A Integrated overload protection integr. ground fault detection Signaling contact



General technical data		
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
Reference code acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750		A
Reference code acc. to DIN EN 61346-2		A
Supplied active power	W	120
Product function		
• Auto-reset		Yes
• External reset		No
• Manual RESET		No
• Ground fault detection		Yes

<ul style="list-style-type: none"> <li>• Test function of signaling contacts</li> <li>• suitable for grounded AS-i networks</li> <li>• adapted for non-grounded AS-i networks</li> <li>• suitable for AS-i Power24V</li> <li>• sequential connected time-delay</li> <li>• AS-Interface data decoupling</li> </ul>		No
		Yes
		Yes
		Yes
		No
		Yes
<b>Reset function</b>		No
adjustable pick-up value current of the current-dependent overload release	A	4 ... 4
<b>Number of electrical connections for signaling contact</b>		3
<b>Number of outputs for AS Interface maximum</b>		1
<b>Display version as status display by LED</b>		EFD, ASI OL, DIAG
<b>Design of the switching contact as NO contact for signaling function</b>		No

### Communication/ Protocol

<b>Protocol is supported AS-Interface protocol</b>		Yes
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### Auxiliary circuit

Operating current of auxiliary contacts		
<ul style="list-style-type: none"> <li>• at DC-13 at 24 V</li> </ul>	A	0.05

### Inputs/ Outputs

<b>Type of voltage</b>		
<ul style="list-style-type: none"> <li>• of the input voltages</li> <li>• of the input voltage</li> </ul>		DC
		DC
<b>Property of the output Short-circuit proof</b>		Yes
<b>Output voltage</b>		
<ul style="list-style-type: none"> <li>• 1 at DC</li> </ul>		
— rated value	V	30
— rated value	V	20.5 ... 31.6
<ul style="list-style-type: none"> <li>• 2 at DC rated value</li> </ul>	V	24
<b>Output current at DC maximum</b>	A	4
<b>Input voltage</b>		
<ul style="list-style-type: none"> <li>• 1 at DC</li> </ul>		
— rated value	V	30
— rated value	V	21 ... 32
<ul style="list-style-type: none"> <li>• 2 at DC rated value</li> </ul>	V	24
<b>Input current at DC maximum</b>	A	4.1

### Short-circuit protection





<b>Design of short-circuit protection</b>		electronic
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### Installation/ mounting/ dimensions

<b>Mounting position</b>		vertical, horizontal
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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-sections		
<ul style="list-style-type: none"> <li>• for auxiliary contacts <ul style="list-style-type: none"> <li>— solid</li> <li>— finely stranded</li> <li>— with core end processing</li> </ul> </li> <li>• at AWG conductors for auxiliary contacts</li> </ul>		3x (0.2 ... 3.3 mm <sup>2</sup> )  3x (0.2 ... 3.3 mm <sup>2</sup> )  3x (24 ... 16)
Certificate of suitability		CE / cULus / FM / ATEX
Suitability for use safety-related circuits		No

#### Certificates/ approvals

General Product Approval	EMC	For use in hazardous locations
<a href="#">FM</a>  UL	 EAC  RCM	<a href="#">Explosion Protection Certificate</a>  ATEX

Declaration of Conformity	Shipping Approval	other
 EG-Konf.	<a href="#">Miscellaneous</a> <a href="#">NK / Nippon Kaiji Kyokai</a>	 ASi <a href="#">Confirmation</a>

#### 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=3RK7271-1AA30-0AA0>

##### Cax online generator

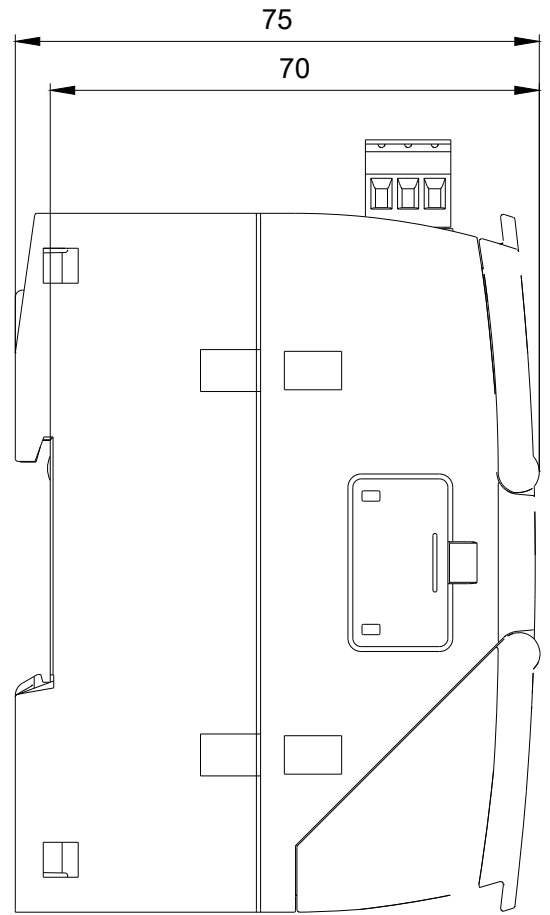
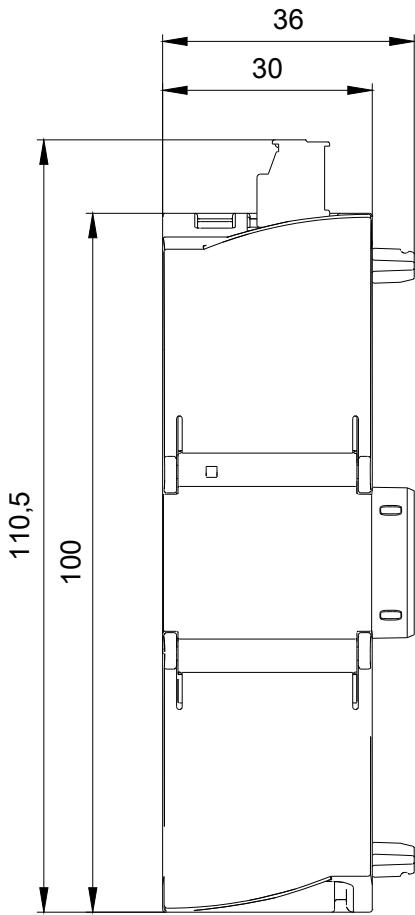
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK7271-1AA30-0AA0>

##### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

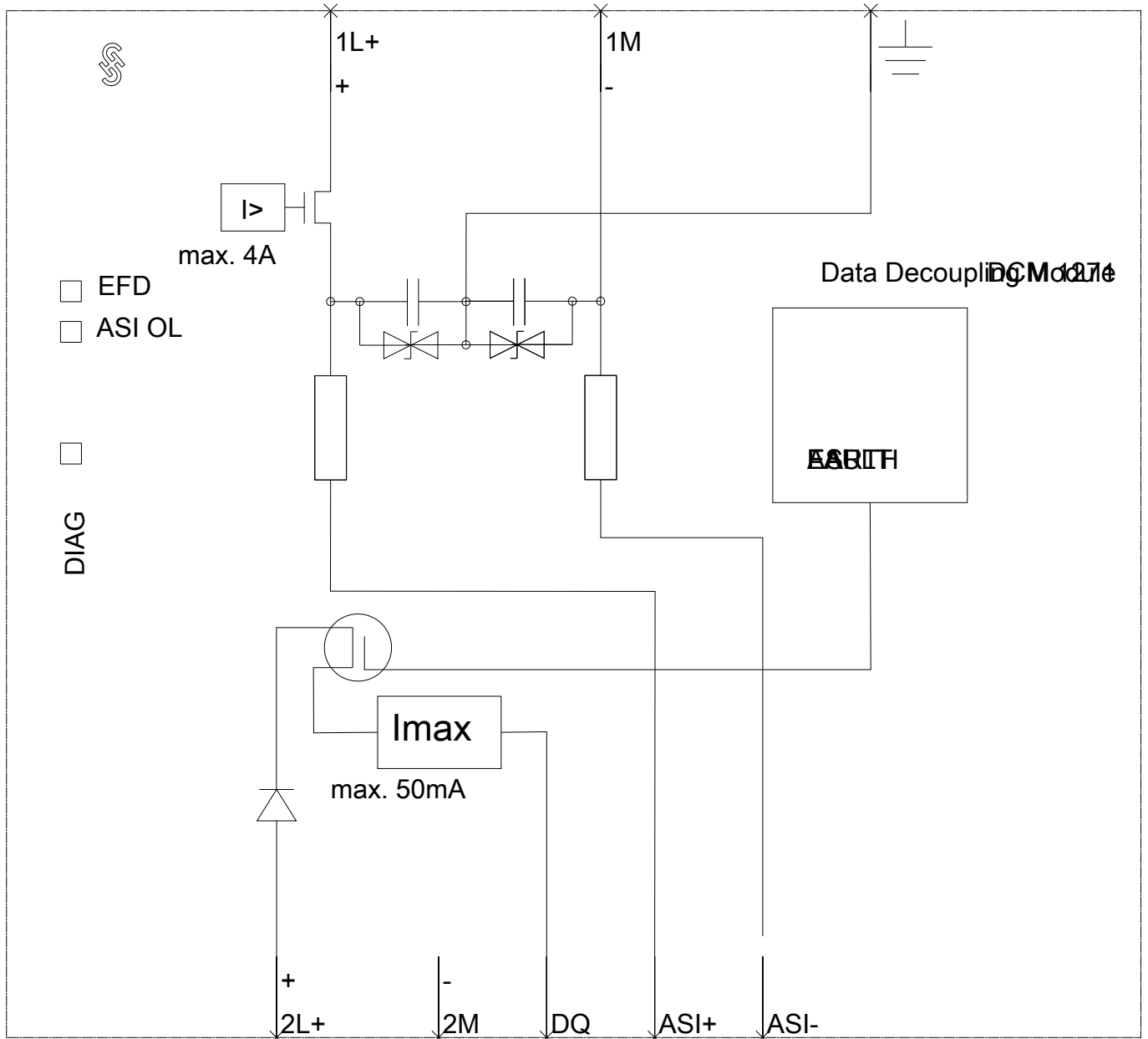
<https://support.industry.siemens.com/cs/ww/en/ps/3RK7271-1AA30-0AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK7271-1AA30-0AA0&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK7271-1AA30-0AA0&lang=en)



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