SIEMENS

Data sheet

3RK7271-1AA30-0AA0



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 according to DIN 40719 extended according to IEC 204-2 according to IEC 750 | | A | | |
| reference code according to EN 61346-2 | | A | | |
| supplied active power | W | 120 | | |
| product function | | | | |
| • auto-RESET | | Yes | | |
| external reset | | No | | |
| manual RESET | | No | | |
| 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 current response value current of the current- dependent overload release | А | 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 | | | | |
| operational current of auxiliary contacts | | | | |
| • at DC-13 at 24 V | А | 0.05 | | |
| nputs/ 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 | А | 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 | Α | 4.1 | | | | |
| hort-circuit protection | | | | | | |
| design of short-circuit protection | | electronic | | | | |
| stallation/ mounting/ dimensions | | | | | | |
| mounting position | | vertical, horizontal | | | | |
| fastening method | | 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 circuit | | screw-type terminals | | | | |
| product component removable terminal for auxiliary and control circuit | | Yes | | | | |
| type of connectable conductor cross-sections | | | | | | |
| for auxiliary contacts | | | | | | |
| — solid | | 3x (0.2 3.3 mm²) | | | | |
| — finely stranded | | | | | | |
| — with core end processing | | 3x (0.2 3.3 mm²) | | | | |
| for AWG cables for auxiliary contacts | | 3x (24 16) | | | | |
| certificate of suitability | | CE / cULus / FM / ATEX | | | | |
| suitability for use safety-related circuits | | No | | | | |
| ertificates/ approvals | | | | | | |
| | | | | For use in hazard | | |

ous locations

Confirmation

<u>FM</u>









For use in hazardous locations

Declaration of Conformity

Marine / Shipping

other

Explosion Protection Certificate









other

Confirmation

Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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

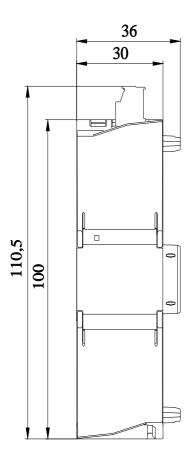
Cax online generator

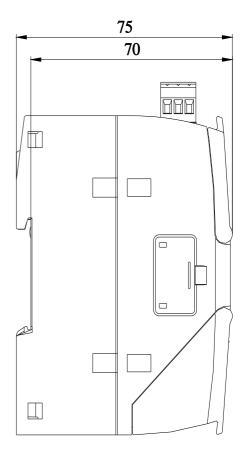
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK7271-1AA30-0AA0

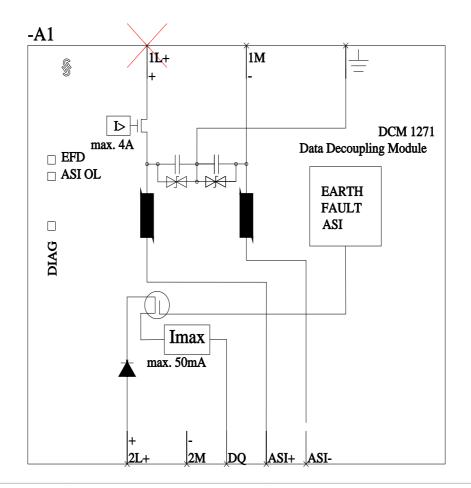
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

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







last modified: 9/5/2023 🖸