

Function module for AS-i, Reversing start, screw terminal, Installation on contactors 3RT2 Communication-capable contactor required



| General technical data                                                             |    |                                                   |
|------------------------------------------------------------------------------------|----|---------------------------------------------------|
| product brand name                                                                 |    | Sirius                                            |
| product designation                                                                |    | function module                                   |
| design of the product                                                              |    | AS-i                                              |
| size of contactor can be combined company-specific                                 |    | S00, S0, S2, S3                                   |
| protection class IP on the front according to IEC 60529                            |    | IP20                                              |
| touch protection on the front according to IEC 60529                               |    | finger-safe, for vertical contact from the front  |
| degree of pollution                                                                |    | 3                                                 |
| insulation voltage with degree of pollution 3 at AC rated value                    | V  | 690                                               |
| installation altitude at height above sea level maximum                            | m  | 2 000                                             |
| ambient temperature                                                                |    |                                                   |
| • during storage                                                                   | °C | -40 ... +80                                       |
| • during operation                                                                 | °C | -25 ... +60                                       |
| • during transport                                                                 | °C | -40 ... +80                                       |
| EMC immunity according to IEC 60947-1                                              |    | ambience A (industrial sector)                    |
| EMC emitted interference according to IEC 60947-1                                  |    | CISPR11, ambience A (industrial sector)           |
| conducted interference due to burst according to IEC 61000-4-4                     |    | 2 kV network connection / 1 kV control connection |
| conducted interference due to conductor-earth surge according to IEC 61000-4-5     |    | 1 kV                                              |
| conducted interference due to conductor-conductor surge according to IEC 61000-4-5 |    | 0.5 kV                                            |
| electrostatic discharge according to IEC 61000-4-2                                 |    | 8 kV                                              |
| field-based interference according to IEC 61000-4-3                                |    | 10 V/m                                            |
| shock resistance                                                                   |    | 11g / 15 ms                                       |
| vibration resistance                                                               |    | 10 ... 55 Hz / 0.35 mm                            |
| reference code                                                                     |    |                                                   |
| • according to IEC 81346-2                                                         |    | K                                                 |
| • according to EN 61346-2                                                          |    | K                                                 |
| suitability for use                                                                |    |                                                   |
| • direct starter                                                                   |    | No                                                |
| • star-delta starter                                                               |    | No                                                |
| • reversing starter                                                                |    | Yes                                               |
| Communication/ Protocol                                                            |    |                                                   |
| product function                                                                   |    |                                                   |
| • bus communication                                                                |    | Yes                                               |
| • control circuit interface with AS-interface                                      |    | Yes                                               |
| Control circuit/ Control                                                           |    |                                                   |
| design of the surge suppressor                                                     |    | Varistor                                          |
| type of voltage of the control supply voltage                                      |    | DC                                                |

|                                                                        |    |                                                                      |
|------------------------------------------------------------------------|----|----------------------------------------------------------------------|
| control supply voltage 1 at DC rated value                             | V  | 24                                                                   |
| <b>Installation/ mounting/ dimensions</b>                              |    |                                                                      |
| mounting position                                                      |    | any                                                                  |
| fastening method                                                       |    | can be plugged into contactor                                        |
| width                                                                  | mm | 45                                                                   |
| height                                                                 | mm | 37                                                                   |
| depth                                                                  | mm | 75                                                                   |
| <b>Connections/ Terminals</b>                                          |    |                                                                      |
| product component removable terminal for auxiliary and control circuit |    | Yes                                                                  |
| type of electrical connection for auxiliary and control circuit        |    | screw-type terminals                                                 |
| type of connectable conductor cross-sections                           |    |                                                                      |
| • for auxiliary contacts                                               |    |                                                                      |
| — solid                                                                |    | 0.5 ... 4 mm <sup>2</sup> , 2x (0.5 ... 2.5 mm <sup>2</sup> )        |
| — finely stranded                                                      |    |                                                                      |
| — with core end processing                                             |    | 1x (0.5 ... 2.5 mm <sup>2</sup> ), 2x (0.5 ... 1.5 mm <sup>2</sup> ) |
| • at AWG cables for auxiliary contacts                                 |    | 2x (20 ... 14)                                                       |
| <b>Certificates/ approvals</b>                                         |    |                                                                      |
| certificate of suitability                                             |    | CE / UL / CSA                                                        |
| <b>General Product Approval</b>                                        |    | <b>Declaration of Conformity</b>                                     |



[Confirmation](#)



EG-Konf.

|                          |                          |
|--------------------------|--------------------------|
| <b>Test Certificates</b> | <b>Marine / Shipping</b> |
|--------------------------|--------------------------|

[Type Test Certificates/Test Report](#)



ABS



BUREAU  
VERITAS



DNV



LRS



PRS

|                          |              |                |
|--------------------------|--------------|----------------|
| <b>Marine / Shipping</b> | <b>other</b> | <b>Railway</b> |
|--------------------------|--------------|----------------|



RINA



RMRS



ASi

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[Vibration and Shock](#)

|                            |
|----------------------------|
| <b>Further information</b> |
|----------------------------|

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=3RA2712-1BA00>

Cax online generator

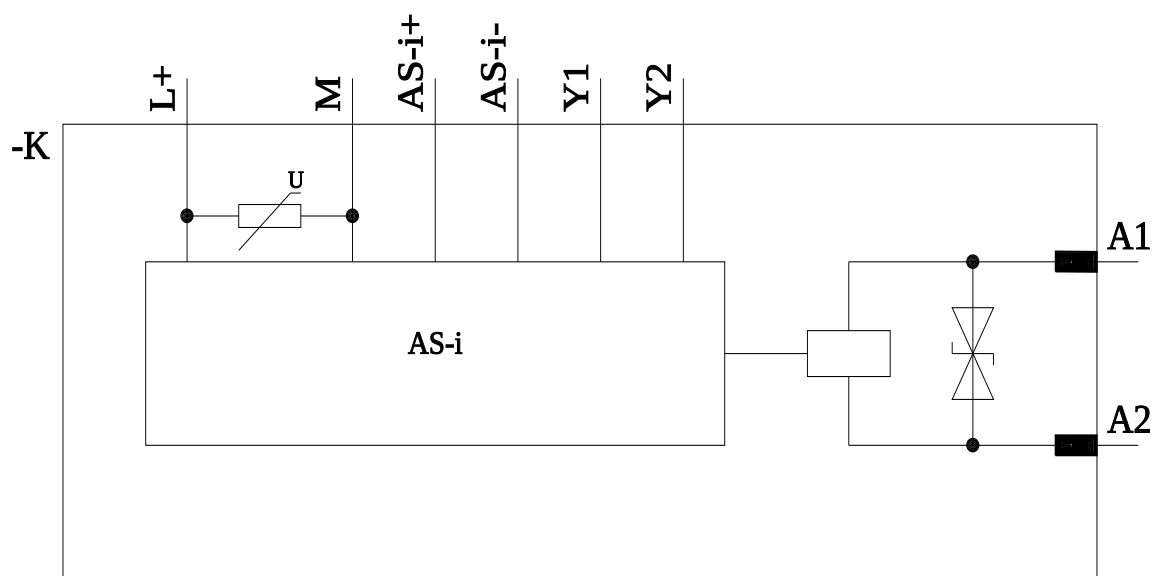
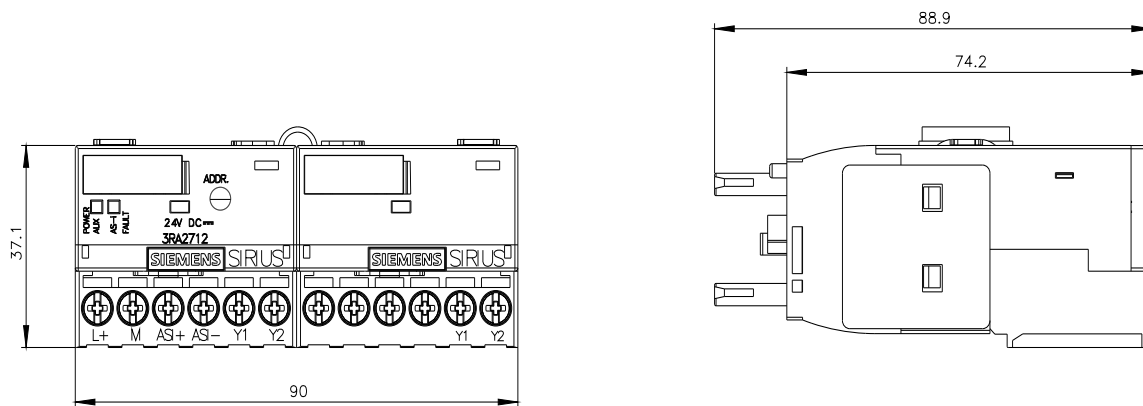
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2712-1BA00>

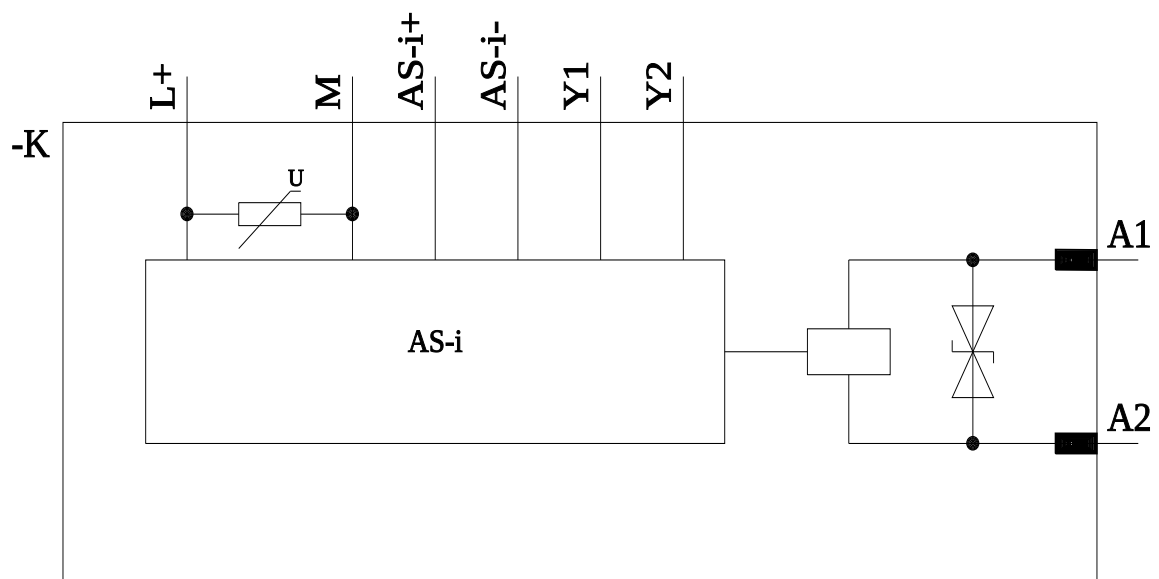
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2712-1BA00>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RA2712-1BA00&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2712-1BA00&lang=en)





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