



Figure similar

SIMATIC DP, Electronics module for ET 200S, 4SI SIRIUS 4 point-to-point interfaces Width 15 mm IO-Link master for SIRIUS controls

| General technical data                                                             |      |                                                          |
|------------------------------------------------------------------------------------|------|----------------------------------------------------------|
| product brand name                                                                 |      | SIRIUS                                                   |
| product designation                                                                |      | ET200S interface module for SIRIUS controls with IO-Link |
| protection class IP                                                                |      | IP20                                                     |
| degree of pollution                                                                |      | 2 according to IEC 61131                                 |
| insulation voltage rated value                                                     | V    | 500                                                      |
| installation altitude at height above sea level maximum                            | m    | 2 000                                                    |
| ambient temperature                                                                |      |                                                          |
| • during storage                                                                   | °C   | -40 ... +70                                              |
| • in vertical mounting position during operation                                   | °C   | 0 ... 50                                                 |
| • in horizontal mounting position during operation                                 | °C   | 0 ... 60                                                 |
| • during transport                                                                 | °C   | -40 ... +70                                              |
| relative humidity during operation                                                 | %    | 15 ... 95                                                |
| conducted interference due to burst according to IEC 61000-4-4                     |      | 2 kV                                                     |
| conducted interference due to conductor-earth surge according to IEC 61000-4-5     |      | 2 kV                                                     |
| conducted interference due to conductor-conductor surge according to IEC 61000-4-5 |      | 1 kV                                                     |
| electrostatic discharge according to IEC 61000-4-2                                 |      | 4 kV contact discharge / 8 kV air discharge              |
| field-based interference according to IEC 61000-4-3                                |      | 10 V/m                                                   |
| shock resistance                                                                   |      | 15g / 11 ms                                              |
| vibration resistance                                                               |      | 0.35 mm / 5g                                             |
| Communication/ Protocol                                                            |      |                                                          |
| protocol is supported IO-Link protocol                                             |      | Yes                                                      |
| IO-Link transfer rate                                                              |      | COM2 (38,4 kBaud)                                        |
| operating mode at input/ output link                                               |      | IO-Link, deactivated                                     |
| type of electrical connection                                                      |      | Connection using terminal module                         |
| data volume                                                                        |      |                                                          |
| • of the address range of the inputs with cyclical transfer                        |      |                                                          |
| — per IO-Link port maximum                                                         | byte | 8                                                        |
| — maximum                                                                          | byte | 32                                                       |
| • of the address range of the outputs with cyclical transfer                       |      |                                                          |
| — per IO-Link port maximum                                                         | byte | 8                                                        |
| — for all IO-Link ports maximum                                                    | byte | 32                                                       |
| number of IO-Link ports                                                            |      | 4                                                        |
| design of cable                                                                    |      | unshielded                                               |
| point-to-point cycle time                                                          |      |                                                          |
| • between master and IO-Link device minimum                                        | ms   | 5                                                        |
| • between the master and the backplane bus minimum                                 | ms   | 5                                                        |
| type of IO-Link device connectable                                                 |      | SIRIUS switching technology                              |

|                                                                             |    |                |
|-----------------------------------------------------------------------------|----|----------------|
| <b>product function</b>                                                     |    |                |
| • communication function                                                    |    | Yes            |
| • isochronous mode                                                          |    | No             |
| • reverse polarity protection                                               |    | Yes            |
| <b>galvanic isolation</b>                                                   |    |                |
| • between the ports                                                         |    | No             |
| • between the ports and the backplane bus                                   |    | Yes            |
| type of voltage of the supply voltage                                       |    | DC             |
| supply voltage 1 at DC rated value                                          | V  | 24             |
| consumed current for rated value of supply voltage maximum                  | A  | 0.3            |
| <b>Short-circuit protection</b>                                             |    |                |
| <b>short-circuit rating</b>                                                 |    | 0.4 A per port |
| <b>Installation/ mounting/ dimensions</b>                                   |    |                |
| <b>mounting position</b>                                                    |    | any            |
| <b>fastening method</b>                                                     |    | clip-on        |
| <b>width</b>                                                                | mm | 15             |
| <b>Certificates/ approvals</b>                                              |    |                |
| <b>certificate of suitability</b>                                           |    | CE / UL / CSA  |
| <b>certificate of suitability for gas explosion protection for zone 1/2</b> |    | zone 2         |
| <b>General Product Approval</b>                                             |    |                |

[Confirmation](#)



|                                                                                     |                                                                                     |                                       |                                                                                     |                    |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------------------|
| <b>EMV</b>                                                                          |                                                                                     | <b>For use in hazardous locations</b> |                                                                                     |                    |                                                                                       |
|  |  | <a href="#">KC</a>                    |  | <a href="#">FM</a> |  |
| RCM                                                                                 | RCM                                                                                 |                                       | ATEX                                                                                |                    | ATEX                                                                                  |

|                                                                                     |                                                                                     |                                                                                     |                                                                          |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| <b>For use in hazardous locations</b>                                               | <b>Marine / Shipping</b>                                                            | <b>other</b>                                                                        | <b>Environment</b>                                                       |
|  |  |  | <a href="#">Confirmation</a> <a href="#">Environmental Confirmations</a> |
| UL                                                                                  | DNV                                                                                 | PRS                                                                                 |                                                                          |

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| <b>Further information</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <p><b>Information on the packaging</b><br/> <a href="https://support.industry.siemens.com/cs/ww/en/view/109813875">https://support.industry.siemens.com/cs/ww/en/view/109813875</a></p> <p><b>Information- and Downloadcenter (Catalogs, Brochures,...)</b><br/> <a href="https://www.siemens.com/ic10">https://www.siemens.com/ic10</a></p> <p><b>Industry Mall (Online ordering system)</b><br/> <a href="https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1005-0LB00-0AA0">https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1005-0LB00-0AA0</a></p> <p><b>Cax online generator</b><br/> <a href="http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3RK1005-0LB00-0AA0">http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&amp;mlfb=3RK1005-0LB00-0AA0</a></p> <p><b>Service&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)</b><br/> <a href="https://support.industry.siemens.com/cs/ww/en/ps/3RK1005-0LB00-0AA0">https://support.industry.siemens.com/cs/ww/en/ps/3RK1005-0LB00-0AA0</a></p> <p><b>Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)</b><br/> <a href="http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1005-0LB00-0AA0&amp;lang=en">http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1005-0LB00-0AA0&amp;lang=en</a></p> |

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