



SIMATIC DP,
ELECTRONIC MODULE FOR ET 200S,
4SI SIRIUS,
4 POINT-TO-POINT INTERFACES 15MM WIDTH,
IO-LINK MASTER FOR SIRIUS SWITCHGEAR

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 a height over sea level / maximum | m | 2,000 |
| Ambient temperature | | |
| • during storage | °C | -40 ... +70 |
| • with vertical mounting position | | |
| • during operating phase | °C | 0 ... 50 |
| • with horizontal mounting position | | |
| • during operating phase | °C | 0 ... 60 |
| • during transport | °C | -40 ... +70 |
| Relative humidity | | |
| • during operating phase | % | 15 ... 95 |
| Conductor-bound parasitic coupling BURST | | |
| • according to IEC 61000-4-4 | | 2 kV |
| Conductor-bound parasitic coupling conductor-earth SURGE | | |

| | | |
|---|--|---|
| • according to IEC 61000-4-5 | | 2 kV |
| Conductor-bound parasitic coupling 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-bound parasitic coupling / according to IEC 61000-4-3 | | 10 V/m |
| Resistance against shock | | 15g / 11 ms |
| Resistance against vibration | | 0.35 mm / 5g |

Communication:

| | | |
|---|------|----------------------------------|
| Protocol / is supported / IO-Link protocol | | Yes |
| IO-Link transfer rate | | COM2 (38,4 kBaud) |
| Operation mode at input/ output link | | IO-Link, deactivated |
| Design of the 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 |
| Product function | | |
| • communication function | | Yes |
| • isochronous mode | | No |
| • polarizing key | | Yes |
| Galvanic isolation | | |
| • between the ports | | No |
| • between the ports and the backplane bus | | Yes |
| Type of | | |
| • supply voltage | | DC |
| Supply voltage / 1 / for DC | | |
| • rated value | V | 24 |
| Consumed current / for rated value of the supply voltage | | |
| • maximum | A | 0.3 |

| | | |
|-------------------------------------|---|---|
| Active power loss / total / typical | W | 1 |
|-------------------------------------|---|---|

Short-circuit:

| | | |
|------------------------|--|----------------|
| Short-circuit firmness | | 0.4 A per port |
|------------------------|--|----------------|

Installation/mounting/dimensions:

| | | |
|-------------------|----|---------|
| mounting position | | any |
| Mounting type | | clip-on |
| Width | mm | 15 |

Certificates/approvals:

| | | |
|---|--|---------------|
| Verification of suitability | | CE / UL / CSA |
| Verification of suitability / for gas explosion protection for zone 1/2 | | zone 2 |

| General Product Approval | For use in hazardous locations | Declaration of Conformity |
|--------------------------|--------------------------------|---------------------------|
|--------------------------|--------------------------------|---------------------------|



[FM](#)



Shipping Approval



other

[Confirmation](#)

[Declaration of Conformity](#)

[Environmental Confirmations](#)

Further information:

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<http://www.siemens.com/industrial-controls/mall>

CAX-Online-Generator

<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RK1005-0LB00-0AA0/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RK1005-0LB00-0AA0

last change:

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