



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
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Short-circuit:

Short-circuit firmness	0.4 A per port
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Installation/mounting/dimensions:

mounting position		any
Mounting type		clip-on
Width	mm	15

Certificates/approvals:

Verification of suitability	CE / UL / CSA
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Verification of suitability / for gas explosion protection for zone 1/2	zone 2
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General Product Approval



[FM](#)



For use in hazardous locations

Declaration of Conformity

Shipping Approval



ABS



LRS



PRS



RINA



RMRS

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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