SIEMENS

Data sheet

3SU1400-1EK10-6AA0

AS-Interface module, 4 inputs and 4 outputs, black, Spring-type terminal (push-in) for input/output, for front plate mounting



Product brand name	SIRIUS ACT			
Product designation	AS-Interface module			
Product type designation	3SU1			
General technical data				
Product function	4 DI / 4 DQ			
Degree of pollution	3			
Type of voltage				
 of the operating voltage 	DC			
 of the input voltage 	DC			
Consumed current				
• maximum	150 mA			
Protection class IP	IP20			
Shock resistance				
 for railway applications acc. to DIN EN 61373 	Category 1, Class B			
Reference code acc. to DIN 40719 extended	A			
according to IEC 204-2 acc. to IEC 750 Reference code acc. to DIN EN 81346-2	V			
	К			
Reference code acc. to DIN EN 61346-2	К			
Design of the slave type	4 DI / 4 DO			

ID1 code 0F Number of AS-islaves 1 Protocol is supported ASIsafe (Safety at work) protocol No Operating voltage 18 31.6 V • rated value 30 V Operating voltage 1 30 V • at DC rated value 30 V Communication/ Protocol Protocol is supported Protocol is supported 30 V • AS-Interace protocol Yes Auxiliary circuit Number of NO contacts for auxiliary contacts Number of digital inputs 4 • safety-related 0 Number of digital inputs 4 • safety-related 0 Number of digital outputs 4 Operating voltage 1x (0.14 0.5 mm ²) • safety-related circuits 1x (2 0.5 mm ²) • safety-related circuits 1x (2 0.5 mm ²) • safety-related circuits No • during operation -25 +70 °C • during storage -40 +80 °C Environmental category during operation acc. to IECC 3	AS interface slave profile	S-7.0.E
Protocol is supported ASIsale (Safety at work) protocol No Operating voltage 18 31.6 V or rated value 18 31.6 V Operating voltage 1 30 V • at DC rated value 30 V Communication/ Protocol Protocol is supported • AS-Interface protocol Yes Valianty circuit 0 Number of NO contacts for auxiliary contacts 0 Number of digital inputs 4 • a safety-related 0 Number of digital outputs 4 Somections/Terminals 4 Type of electrical connection Push-in terminal Type of olectrical connection Push-in terminal Type of olectrical conductor cross-sections 1x (0.14 0.5 mm ²) • safety-related circuits 1x (0.2 0.5 mm ²) • at WG conductors 1x (26 20) Product Function 25 +70 °C • aduing storage	- -	0F
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• at DC rated value 30 V Communication/ Protocol Yes Protocol is supported Yes • AS-Interface protocol Yes Auxiliary circuit 0 Number of NO contacts for auxiliary contacts 0 number of digital inputs 4 • safety-related 0 Number of digital outputs 4 • safety-related 0 Connections/Terminals 7 Type of electrical connection Push-in terminal Type of connectable conductor cross-sections 1x (0.14 0.5 mm ²) • solid without core end processing 1x (0.2 0.5 mm ²) • at AWG conductor cross-sections 1x (26 20) • at AWG conductors 1x (26 20) Product Function Suitability for use • safety-related circuits No Number of up operation -25 +70 °C • during operation -25 +70 °C • during storage -40 +80 °C Environmental category during operation acc to IEC 3M6, 352, 352, 323, 333 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation pe	• rated value	18 31.6 V
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Protocol is supported Yes As-Interface protocol Yes Auxiliary circuit 0 Number of NO contacts for auxiliary contacts 0 nputs/ Outputs 4 • safety-related 0 Number of digital loputs 4 • safety-related 0 Number of digital outputs 4 Connections/Terminals 7 Type of connectable conductor cross-sections 9 • solid without core end processing 1x (0.14 0.5 mm²) • finely stranded without core end processing 1x (26 20) Product Function Suitability for use • safety-related circuits No Ambient temperature -40 +80 °C • during operation -25 +70 °C • during storage -40 +80 °C Environmental category during operation acc. to IEC 3M6, 352, 382, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted) • of modules and accessories Front plate mounting • of modules and accessories Front plate mounting • of modules and accessories Front plate mounting • of mounting	• at DC rated value	30 V
• AS-Interface protocol Yes Auxiliary circuit 0 Number of NO contacts for auxiliary contacts 0 nputs/ Outputs 4 • safety-related 0 Number of digital inputs 4 • safety-related 0 Connections/Terminals 4 Connections/Terminals Push-in terminal Type of electrical connection Push-in terminal 1 x (0.14 0.5 mm ²) i x (0.2 0.5 mm ²) • safety-related dirouts 1 x (0.2 0.5 mm ²) • at AWG conductors 1 x (0.2 0.5 mm ²) • at AWG conductors 1 x (0.2 0.5 mm ²) • at WG conductors 1 x (0.2 0.5 mm ²) • at AWG conductors 1 x (0.2 0.5 mm ²) • at AWG conductors 1 x (0.2 0.5 mm ²) • at AWG conductors No • at AWG conductors No • at WG conductors Ambient emperature • during operation -25 +70 °C • during storage -40 +80 °C	Communication/ Protocol	
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Number of NO contacts for auxiliary contacts 0 nputs/ Outputs Number of digital inputs 4 • safety-related 0 Number of digital outputs 4 Connections/Terminals 4 Type of electrical connection Push-in terminal Type of connectable conductor cross-sections 4 • solid without core end processing 1x (0.14 0.5 mm²) • finely stranded without core end processing 1x (0.2 0.5 mm²) • at AWG conductors 1x (26 20) Product Function Suitability for use • safety-related circuits No Ambient conditions -25 +70 °C - during operation -25 +70 °C • during storage -40 +80 °C Environmental category during operation acc. to IEC 3M6, 352, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted) nstallation/ mounting/ dimensions Front plate mounting Mounting type • of AS-i slaves Front mounting Height 60 mm With 23.	AS-Interface protocol	Yes
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Number of digital inputs 4 • safety-related 0 Number of digital outputs 4 Connections/Terminals 4 Type of electrical connection Push-in terminal Type of connectable conductor cross-sections 9 • solid without core end processing 1x (0.14 0.5 mm²) • finely stranded without core end processing 1x (0.2 0.5 mm²) • at AWG conductors 1x (26 20) Product Function 20 Suitability for use 1x (26 20) • safety-related circuits No Ambient conditions -25 +70 °C • during operation -25 +70 °C • during storage -40 +80 °C Environmental category during operation acc. to IEC 3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted) numidity of 10 95%, no condensation in operation permitted) 10 numidity of AS-i slaves Front plate mounting Height 60 mm With 23.8 mm	Number of NO contacts for auxiliary contacts	0
• safety-related0Number of digital outputs4Connections/TerminalsPush-in terminalType of electrical connectionPush-in terminalType of connectable conductor cross-sectionsis (0.14 0.5 mm²)• solid without core end processing1x (0.2 0.5 mm²)• finely stranded without core end processing1x (0.2 0.5 mm²)• at AWG conductors1x (26 20)Product FunctionNoSultability for use • safety-related circuitsNoAmbient conditions-25 +70 °C - 40 +80 °CEnvironmental category during operation acc. to IEC 607213M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted)Installation/ mounting/ dimensionsFront plate mounting Front plate mountingMounting type • of modules and accessories 	Inputs/ Outputs	
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Connections/Terminals Push-in terminal Type of electrical connection Push-in terminal Type of connectable conductor cross-sections is (0.14 0.5 mm²) is solid without core end processing 1x (0.14 0.5 mm²) if inely stranded without core end processing 1x (0.2 0.5 mm²) et AWG conductors 1x (26 20) Product Function It (26 20) Product Function No Suitability for use It (26 20) e safety-related circuits No Ambient conditions -25 +70 °C e during operation -25 +70 °C e during storage -40 +80 °C Environmental category during operation acc. to IEC 60721 3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted) notallation/ mounting/ dimensions Front plate mounting Mounting type Front plate mounting • of AS-i slaves Front mounting Height 60 mm With 23.8 mm	 safety-related 	0
Type of electrical connection Push-in terminal Type of connectable conductor cross-sections + (0.14 0.5 mm²) • solid without core end processing 1x (0.2 0.5 mm²) • finely stranded without core end processing 1x (26 20) Product Function - (0.14 0.5 mm²) Suitability for use - (0.2 20) • safety-related circuits No Ambient conditions - (0.14 0.5 mm²) Ambient strange - (0.14 0.5 mm²) • during operation - (0.14 0.5 mm²) • during storage - (0.14 0.5 mm²) Environmental category during operation acc. to IEC 3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted) nstallation/ mounting/ dimensions Front plate mounting Mounting type Front plate mounting • of modules and accessories Front plate mounting • of AS-i slaves Front mounting Height 60 mm Witth 23.8 mm	Number of digital outputs	4
Type of connectable conductor cross-sections• solid without core end processing1x (0.14 0.5 mm²)• finely stranded without core end processing1x (0.2 0.5 mm²)• at AWG conductors1x (26 20)Product FunctionSuitability for use • safety-related circuitsNo• safety-related circuitsNoAmbient conditionsAmbient temperature • during operation • during storage-25 +70 °C -40 +80 °CEnvironmental category during operation acc. to IEC 607213M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted)nstallation/ mounting/ dimensionsFront plate mounting Front plate mountingMounting type • of modules and accessories • of AS-i slavesFront plate mounting 60 mmHeight Witth23.8 mm	Connections/Terminals	
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• finely stranded without core end processing • at AWG conductors1x (0.2 0.5 mm²) 1x (26 20)Product FunctionSuitability for use • safety-related circuitsNoAmbient conditionsAmbient conditionsAmbient strange • during operation • during storage-25 +70 °C -40 +80 °CEnvironmental category during operation acc. to IEC 607213M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted)nstallation/ mounting/ dimensionsFront plate mountingMounting type • of modules and accessories • of AS-i slavesFront plate mountingHeight Witth60 mm 23.8 mm	Type of connectable conductor cross-sections	
• at AWG conductors1x (26 20)Product FunctionSuitability for use • safety-related circuitsNoAmbient conditionsAmbient temperature • during operation • during storage-25 +70 °C -40 +80 °CEnvironmental category during operation acc. to IEC 607213M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted)Mounting type • of modules and accessories • of AS-i slavesFront plate mounting front mountingHeight Witth60 mm 23.8 mm	 solid without core end processing 	1x (0.14 0.5 mm²)
Product Function Suitability for use • safety-related circuits Ambient conditions Ambient conditions Ambient temperature • during operation • during storage Environmental category during operation acc. to IEC 60721 Statiation/ mounting/ dimensions Mounting type • of modules and accessories • of AS-i slaves Height Width	 finely stranded without core end processing 	1x (0.2 0.5 mm²)
Suitability for use No • safety-related circuits No Ambient conditions	at AWG conductors	1x (26 20)
• safety-related circuitsNoAmbient conditionsAmbient temperature • during operation • during storage-25 +70 °C -40 +80 °CEnvironmental category during operation acc. to IEC 607213M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted)Installation/ mounting/ dimensionsFront plate mountingMounting type • of modules and accessories • of AS-i slavesFront plate mountingHeight60 mmWidth23.8 mm	Product Function	
Ambient conditions Ambient temperature • during operation • during storage -25 +70 °C • during storage -40 +80 °C Environmental category during operation acc. to IEC 60721 SM6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted) Installation/ mounting/ dimensions Mounting type • of modules and accessories • of AS-i slaves Height 60 mm Width 23.8 mm	Suitability for use	
Ambient temperature• during operation• during storage-40 +70 °C-40 +80 °CEnvironmental category during operation acc. to IEC 6072160721Stallation/ mounting/ dimensionsMounting type• of modules and accessories • of AS-i slavesHeight60 mmWidth23.8 mm	 safety-related circuits 	No
Ambient temperature• during operation• during storage-40 +70 °C-40 +80 °CEnvironmental category during operation acc. to IEC 6072160721Stallation/ mounting/ dimensionsMounting type• of modules and accessories • of AS-i slavesHeight60 mmWidth23.8 mm	Ambient conditions	
• during storage-40 +80 °CEnvironmental category during operation acc. to IEC 607213M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted)Installation/ mounting/ dimensions		
Environmental category during operation acc. to IEC 60721 3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative humidity of 10 95%, no condensation in operation permitted) Installation/ mounting/ dimensions Image: mounting type front plate mounting • of modules and accessories Front plate mounting • of AS-i slaves Front mounting Height 60 mm Width 23.8 mm	 during operation 	-25 +70 °C
60721humidity of 10 95%, no condensation in operation permitted)nstallation/ mounting/ dimensionsMounting type• of modules and accessories• of AS-i slavesHeight60 mmWidth23.8 mm	 during storage 	-40 +80 °C
nstallation/ mounting/ dimensions Mounting type Front plate mounting • of modules and accessories Front plate mounting • of AS-i slaves Front mounting Height 60 mm Width 23.8 mm	Environmental category during operation acc. to IEC	3M6, 3S2, 3B2, 3C3 (without salt spray), 3K6 (with relative
Mounting type Front plate mounting • of modules and accessories Front plate mounting • of AS-i slaves Front mounting Height 60 mm Width 23.8 mm	60721	humidity of 10 95%, no condensation in operation permitted)
• of modules and accessories Front plate mounting • of AS-i slaves Front mounting Height 60 mm Width 23.8 mm	Installation/ mounting/ dimensions	
• of AS-i slavesFront mountingHeight60 mmWidth23.8 mm	Mounting type	
Height 60 mm Width 23.8 mm	 of modules and accessories 	Front plate mounting
Width 23.8 mm	• of AS-i slaves	Front mounting
	Height	60 mm
Depth 53.5 mm	Width	23.8 mm
	Depth	53.5 mm

Certificates/approvals								
General Product Approval EMC		EMC	Declaration of Conformity		Test Certific- ates			
	EHC	RCM	EG-Konf.	CE <u>Miscellaneous</u>				

other			
Confirmation			

Further information

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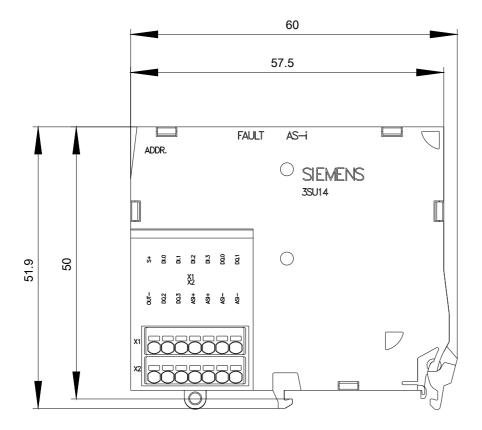
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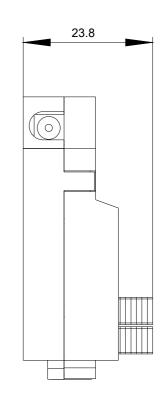
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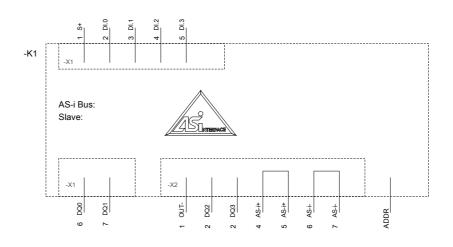
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Service&Support (Manuals, Certificates, Characteristics, FAQs,...) https://support.industry.siemens.com/cs/ww/en/ps/3SU1400-1EK10-6AA0

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1400-1EK10-6AA0&lang=en







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