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■ **Overview**

SlimLine Compact modules

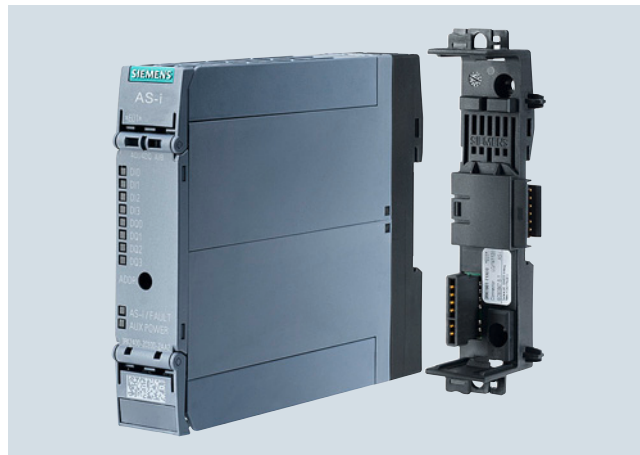SC17.5 and SC22.5 SlimLine Compact modules with screw terminals

SlimLine Compact module SC22.5 with connector with screw terminals

The AS-Interface module series for the control cabinet SlimLine Compact with degree of protection IP20 creates space in the cabinet and in distributed local control boxes. A width of just 17.5 mm or 22.5 mm ensures considerable space savings in the control cabinet.

The SlimLine Compact module series comprises not only digital and analog I/O modules but also ASIsafe modules with safe inputs. Digital outputs are available as solid-state and relay outputs.

Sensors and actuators, as well as the AS-Interface bus cable, are connected by means of removable screw or push-in spring-type terminals. Device connectors available as accessories offer the possibility of looping through the AS-Interface bus cable and the 24 V DC power supply U_{aux} from one module to additional modules. This significantly simplifies the wiring, as the AS-Interface bus cable and U_{aux} only have to be connected to one device.

All devices for the connection of 3-wire sensors offer the option of supplying the sensors either from the AS-Interface bus cable or alternatively from the 24 V DC voltage supply U_{aux} depending on the requirements of the particular application. A slide switch is used to make the selection. If supply via U_{aux} is selected, the wiring of the sensor terminals remains unchanged. This means that no external supply is required for the sensors.

All modules have LEDs on the front that provide diagnostic information and indicate the status of the module inputs and outputs. An addressing socket integrated at the front enables the module to be addressed also when it is installed. Integrated adapters permit mounting onto a standard mounting rail – either directly for the module or for the device connector. Alternatively, the modules can also be screw-mounted using push-in lugs (accessories). These lugs for screw fastening must be ordered separately.

AS-Interface
Slaves
I/O Modules for Use in the Control Cabinet

SlimLine Compact

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■ Selection and ordering data

PU (UNIT, SET, M) = 1
PS* = 1 unit
PG = 42C

More information
"SlimLine Compact Modules" Manual, see
https://support.industry.siemens.com/cs/ww/en/view/109481489

Version				SD	Screw terminals ⊕		SD	Spring-type terminals (push-in) 🔲	
I/O type	Width	Inputs	Outputs	d	Article No.	Price per PU	d	Article No.	Price per PU
	mm								
SC17.5 and SC22.5 digital SlimLine Compact modules									
Slave type: A/B slave									
4 inputs	17.5	2-wire	--	2	3RK2200-0CE00-2AA2		2	3RK2200-0CG00-2AA2	
	22.5	3-wire	--	2	3RK2200-2CE00-2AA2		2	3RK2200-2CG00-2AA2	
4 outputs	22.5	--	2A solid-state	2	3RK2100-1CE00-2AA2		2	3RK2100-1CG00-2AA2	
4 inputs/ 2 outputs, relays	22.5	3-wire	Relays (CO contacts)	2	3RK2402-2ME00-2AA2		2	3RK2402-2MG00-2AA2	
4 inputs/ 4 outputs, relays	22.5	3-wire	Relays (NO contacts)	2	3RK2402-2CE00-2AA2		2	3RK2402-2CG00-2AA2	
4 inputs/ 4 outputs	22.5	3-wire	2A solid-state	2	3RK2400-2CE00-2AA2		2	3RK2400-2CG00-2AA2	
Slave type: standard slave									
4 inputs/ 4 outputs	22.5	3-wire	2A solid-state	2	3RK1400-2CE00-2AA2		2	3RK1400-2CG00-2AA2	
SC22.5 analog SlimLine Compact modules NEW									
Slave type: standard slave									
4 inputs	22.5	Voltage/ current selectable	--	2	3RK1207-0CE00-2AA2		2	3RK1207-0CG00-2AA2	
		Thermal resistance	--	2	3RK1207-3CE00-2AA2		2	3RK1207-3CG00-2AA2	
2 outputs	22.5	--	Voltage/ current selectable	2	3RK1107-0BE00-2AA2		2	3RK1107-0BG00-2AA2	
SC17.5F ASIsafe SlimLine Compact modules									
2 safe inputs	17.5	For mechanical contacts	--	2	3RK1205-0BE00-2AA2		2	3RK1205-0BG00-2AA2	
2 safe inputs/ 2 standard outputs	17.5	For mechanical contacts	Solid-state, U_{ASI}/U_{aux} supply selectable	2	3RK1405-2BE00-2AA2		2	3RK1405-2BG00-2AA2	

Module images:
3RK2200-0CG00-2AA2
3RK2400-2CG00-2AA2
3RK1207-0CG00-2AA2
3RK1405-0BG00-2AA2

■ Accessories

Version	SDd	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	PG
Device connectors						
For electrical connection of SlimLine Compact modules (connects AS-i bus cable and 24 V DC auxiliary power supply U_{aux} when using several SlimLine Compact modules)						
• Width 17.5 mm	2	3RK1901-1YA00		1	1 unit	42C
• Width 22.5 mm	2	3RK1901-1YA10		1	1 unit	42C
Device termination connectors						
Required for the last module in the network						
• Width 17.5 mm	2	3RK1901-1YA01		1	1 unit	42C
• Width 22.5 mm	2	3RK1901-1YA11		1	1 unit	42C
Removable terminals		**Screw terminals** ⊕				
• Screw terminals up to 2 x 1.5 mm² or 1 x 2.5 mm²						
- 2-pole	2	3ZY1121-1BA00		1	6 units	41L
- 4-pole	2	3ZY1141-1BA00		1	6 units	41L
		Spring-type terminals (push-in)				
• Push-In terminals up to 2 x 1.5 mm²						
- 2-pole	2	3ZY1121-2BA00		1	6 units	41L
- 4-pole	2	3ZY1141-2BA00		1	6 units	41L
Push-in lugs for wall mounting	2	3ZY1311-0AA00		1	10 units	41L
Two lugs are required per device						
Coding pins for removable terminals	2	3ZY1440-1AA00		1	12 units	41L
For mechanical coding of the terminals						
Blank labels						
Unit labeling plates[1]						
• 10 mm x 7 mm, titanium gray	20	3RT2900-1SB10		100	816 units	41B
• 20 mm x 7 mm, titanium gray	20	3RT2900-1SB20		100	340 units	41B
Tools for opening spring-type terminals		**Spring-type terminals**				
Screwdriver for SIRIUS devices with spring-type terminals	2	3RA2908-1A		1	1 unit	41B
3.0 mm x 0.5 mm, length approx. 200 mm; Titanium gray/black, partially insulated						

[1] PC labeling system for individual inscription of unit labeling plates available from: murrplastik Systemtechnik GmbH (see page 16/20).

Images in left column (captions):
3RK1901-1YA00   3RK1901-1YA10
3RK1901-1YA01   3RK1901-1YA11
3ZY1121-2BA00
3ZY1311-0AA00
3ZY1440-1AA00
3RT2900-1SB20
3RA2908-1A

* You can order this quantity or a multiple thereof.
Illustrations are approximate

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