

SIEMENS

Product data sheet

3RK1400-1CE00-0AA2



AS-INTERFACE SLIMLINE MOD. S45,
DIGITAL, 4I/4O, 2/3-WIRE,
IP20 4 X 1 INPUT, 200MA,
PNP 4 X 1 OUTPUT, 1A,
DC 24V SCREW-TYPE TERMINAL CONNECT.
MODULE WIDTH 45 MM

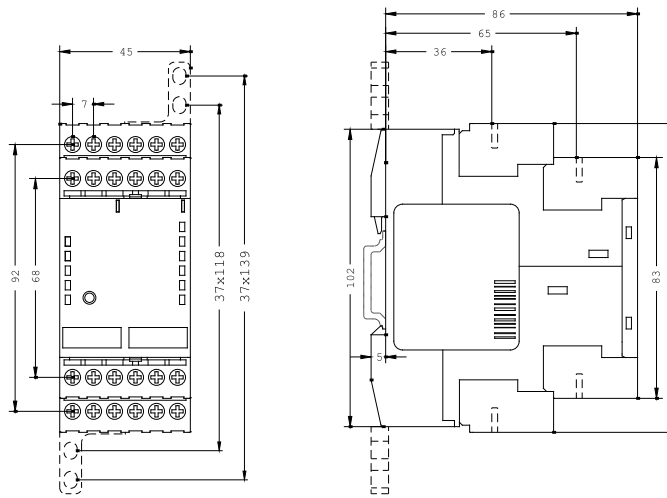
General technical data:

Design of the product	SlimLine S22.5 - I/O modules for operation in the control cabinet
Type	4 inputs / 4 outputs
Design of the slave type AS-Interface	-
I/O configuration	7
ID/ID2 code	0/F
AS interface / total current input / max	270 mA
operating voltage / according to AS-Interface specification	
• min	26.5 V
• max	31.6 V
Addressing	front addressing socket
Design of the electrical connection / of the inputs and outputs	screw-type terminals
note	An external additional supply (AUX POWER) of 20 to 30 V DC is required for the supply of the output circuits. The additional supply must comply with VDE 0106 (PELV), protection class III.

Inputs:

Number of digital inputs	4
Type of connection technique	2 and 3-conductor technology
Input circuit	solid state (PNP)
Type of voltage / of the inputs	DC
Input voltage / minimum	20 V
Input voltage / maximum	30 V
Inputs / switching level High / min	10 V
Input current / at the digital input	
• for signal <1> / minimum	5 mA
• for signal <0> / maximum	1.5 mA
Inputs / sensor supply using AS-Interface	short-circuit and overload resistant
Inputs / current carrying capacity / sensor supply / Tu: 40 Cel	200 mA
Outputs:	
Number of digital outputs	4
Type of voltage / of the outputs	DC
Outputs / external power supply 24 V DC	using terminals: Terminal 13 = L+, Terminal 19 = M
Output current / at the digital output / for signal <1> / nominal value	1 A
Outputs / aggregate current / max	4 A
Design of the switching output	solid state
Characteristic feature of the output / short-circuit protected	Yes
output / Polarity reversal protection	built-in
Outputs	
• short-circuit protection	built-in
• induction protection	built-in
• watchdog	built-in
Status display:	
• display of I/Os	yellow LED
• AS-Interface	green LED
• FAULT	red LED
Assignment of the data bits:	
• D0	IN1/OUT1

• D1	IN2 /OUT2
• D2	IN3/OUT3
• D3	IN4/OUT4
Certificates/approvals:	
AS-Interface certificate	yes (or requested for in case of new units)
Approvals	UL, CSA, shipbuilding (or requested for in case of new units)
Ambient conditions:	
Ambient temperature	
• during the operating phase	
• maximum	70 °C
• minimum	-25 °C
• during storage	
• maximum	85 °C
• minimum	-40 °C
Protection class IP	IP20
Mechanical design:	
Width	45 mm
Type of fixing/fixation	35 mm standard rail mounting or wall mounting using push-in lugs
Conductor cross-section	
• solid	1 x (0.5 - 4) mm ² or 2 x (0.5 - 2.5) mm ²
• finely stranded	
• with end sleeve	1 x (0.5 - 2.5) mm ² or 2 x (0.5 - 1.5) mm ²
• AWG / solid or stranded	AWG 2 x (20 - 14) mm ²



last change:

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