SIEMENS

Data sheet 3RK1100-1CQ00-0AA3

AS-INTERFACE COMPACT MOD. IP67 DIGITAL, 4A 4 X 1 OUTP.,ELECTR., 2A, DC 24V 4 X M12 STANDARD SOCKET TO CONNECT OUTPUTS MOUNTING PLATE 3RK19010CA0 TO BE ORDERED SEPARATELY

General technical data:		
Design of the product		digital I/O modules for operation in the field, IP67 - K60
Type		4 outputs
Design of the slave type		standard slave
I/O configuration		8
ID/ID2 code		1/F
Number I/O sockets		4
Type of electrical connection of the inputs and outputs		M12 screw-type terminals
AS interface total current input max	mA	270
operating voltage according to AS-Interface spezification	V	26.5 ... 31.6
Ground terminal		PIN5 of each M12 socket is connected to the grounding wrist strap in the mounting plate using a pin
Addressing		front addressing socket
Delivery note		the modules are delivered without mounting plate
Note 1		All K60 compact modules are delivered with stainless steel screws/sockets
Note 2		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.

Sensor supply:		
Input voltage	V	20 ... 30
Ampacity of the sensor supply for all inputs		
• at ambient temperature 40 °C	mA	200

Inputs:		
Number of digital inputs		0
Type of connection		2- and 3-wire technology
Input circuit		PNP transistor
Type of voltage of the input voltages		DC
Inputs switching level High min	V	10

Input current at digital input		
• for signal <1> minimum	mA	6
• with signal <0> maximum	mA	1.5
Inputs		
• sensor supply using AS-Interface		short-circuit and overload resistant
Design of the pin assignment of the inputs		Y-II assignement

Outputs:		
Number of digital outputs		4
Type of voltage of output voltages		DC
Outputs external power supply 24 V DC		using black AS-Interface flat cable
Output current at digital output for signal <1> Rated value	A	2
Outputs aggregate current max	A	4
Type of switching output		PNP transistor
Design of the pin assignment of the outputs		Y-II assignement
Outputs socket assignment		3 = "-", 2/4 = output, 5 = ground terminal
Property of the output Short-circuit proof		Yes
Outputs		
• short-ciruit protection		built-in
• induction protection		built-in
• watchdog		built-in

Assignment of the data bits:		
Assignment of data bits		
• socket		not assigned (closed)
• socket 2		not assigned (closed)
• socket 3		not assigned (closed)
• socket 4		not assigned (closed)
• socket 5		PIN4 = OUT1 (D0), PIN2 = OUT2 (D1)
• socket 6		PIN4 = OUT2 (D1)
• socket 7		PIN4 = OUT3 (D2), PIN2 = OUT4 (D3)
• socket 8		PIN4 = OUT4 (D3)

Ambient conditions:		
Ambient temperature		
• during operation	°C	-25 ... +85
• during storage	°C	-40 ... +85
Protection class IP		IP67

Display:		
Status display		
• display of I/Os		yellow LED
• display of Uaux		green LED
• display of AS-Interface/diagnostics		green/red LED

Mechanical data:		
Width	mm	60
Height	mm	152
Depth	mm	29
Mounting type		standard rail mounting/wall mounting using mounting plate for K60 compact module

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)

General Product Approval			Declaration of Conformity	Shipping Approval	
CSA	UL		EG-Konf.	ABS	BUREAU VERITAS

Shipping Approval					other
DNV	LRS	PRS	RINA	RMRS	Umweltbestätigung

other	
Bestätigungen	sonstig

Further information

Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)
http://www.siemens.com/industrymall

Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK11001CQ000AA3

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RK11001CQ000AA3

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK11001CQ000AA3&lang=en

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