



AS-Interface 24 V DC starter 4 DI/2 DQ, IP67 Double starter in K60 design 2 x 2 inputs, 200 mA Y assignment 2 outputs, 2 A for connection of 2 x 24 V DC motor Mounting plate 3RK1901-0CA00 must be ordered separately

General technical data

design of the product		motor starter IP67 (24 V DC)
Type		double direct starter, 4 inputs, 2 outputs, QuickStop function
design of the slave type		standard slave
I/O configuration		7
ID code		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 specification	V	26.5 ... 31.6
Ground terminal		yes
Delivery note		the modules are delivered without mounting plate
Note 1		max. number of switching operations when controlling two 10 W DC motors for example ($U_{aux} = 28.8 \text{ V}$ /duty cycle = 50 %): Tumax/C: 55, max. number of switching operations/h: 1500

Inputs

number of digital inputs		4
type of connection technology		3-conductor
Input circuit		PNP
type of voltage of the input voltages		DC
input voltage	V	20 ... 30
Inputs		
• switching level High min	V	10
• switching level Low max	V	5
input current at digital input for signal <1> minimum	mA	6
ampacity of the sensor supply for all inputs		
• at ambient temperature 40 °C	mA	200
• at ambient temperature 55 °C	mA	150
Inputs		
• sensor supply using AS-Interface		short-circuit and overload resistant
• socket assignment		
— PIN 1		sensor supply L+
— PIN 2		data input
— PIN 3		sensor supply L-
— PIN 4		data input/QuickStop
— PIN 5		ground terminal

Outputs

number of digital outputs		2
type of voltage of output voltages		DC
Inputs external power supply 24 V DC		using black AS-Interface cable
output current at digital output for signal <1> rated value	A	3

Outputs aggregate current max	A	4
Inputs start-up ramp time DC motor max	1/s	80
Inputs Start-up current Motor (limited by internal module design)	A	4.5
type of switching output		PNP transistor
property of the output short-circuit proof		Yes
Outputs • short-circuit protection • induction protection • watchdog • rated current carrying capacity per output Tu: max 55 Cel • voltage drop without supply line	A V	built-in built-in built-in 3 0.6
Assignment of data bits • socket • socket 2 • socket 3 • socket 4		PIN4 = IN1 (D0 / QuickStop1), PIN2 = IN2 (D1) PIN4 = IN3 (D2 / QuickStop2), PIN2 = IN4 (D3) PIN4 = OUT1 (D0) PIN4 = OUT2 (D1)

Ambient conditions

ambient temperature • during operation • during storage	°C °C	-25 ... +55 -40 ... +85
protection class IP		IP67

Mechanical data

width	mm	60
height	mm	152
depth	mm	29
fastening method		wall mounting using K60 mounting plate

Certificates/ approvals

General Product Approval	EMV	Test Certificates
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[Special Test Certificate](#)

Marine / Shipping	other	Environment	Industrial Communication
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[Confirmation](#)

[Miscellaneous](#)

[Environmental Confirmations](#)



Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1400-1MQ01-0AA4>

Cax online generator

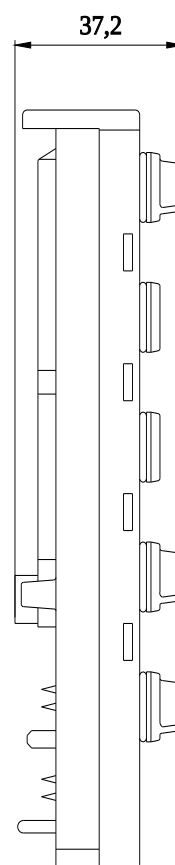
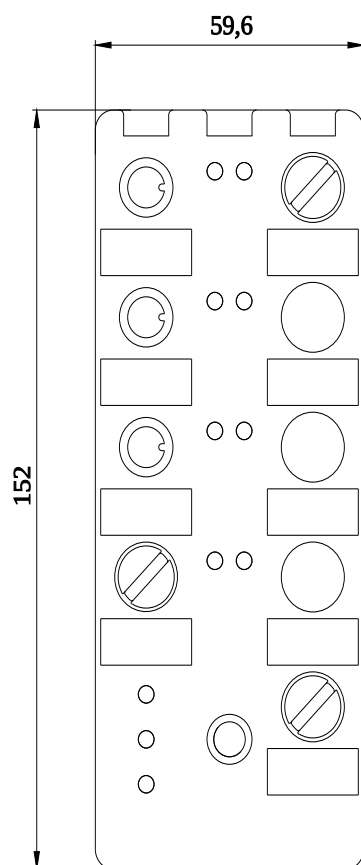
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1400-1MQ01-0AA4>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1400-1MQ01-0AA4>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1400-1MQ01-0AA4&lang=en



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