



AS-INTERFACE 24V DC STARTER IP67, DIGITAL, 4I/2O, DUPLEX STARTER, TYPE K60, 2 X 2 INPUTS, 200MA, Y-ASSIGNM. 2 X OUTPUT, 3A TO CONNECT 2 X 24V DC MOTOR MOUNTING PLATE 3RK19010CA00 TO 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 (Uaux = 28.8 V/duty cycle = 50 %): T _{umax} /C: 55, max. number of switching operations/h: 1500

Inputs:

Number of digital inputs		4
Type of connection		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
Capacity 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		built-in
• induction protection		built-in
• watchdog		built-in
• rated current carrying capacity per output Tu: max 55 Cel	A	3
• voltage drop without supply line	V	0.6
Assignment of data bits		
• socket		PIN4 = IN1 (D0 / QuickStop1), PIN2 = IN2 (D1)
• socket 2		PIN4 = IN3 (D2 / QuickStop2), PIN2 = IN4 (D3)
• socket 3		PIN4 = OUT1 (D0)
• socket 4		PIN4 = OUT2 (D1)

Ambient conditions:		
Ambient temperature		
• during operation	°C	-25 ... +55
• during storage	°C	-40 ... +85

Protection class IP		IP67
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Mechanical data:

Width	mm	60
Height	mm	152
Depth	mm	29
Mounting type		wall mounting using K60 mounting plate

Certificates/ approvals:

AS-Interface certificate		yes
Approvals		UL, CSA

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



Shipping Approval	other
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[Declaration of Conformity](#)

[Environmental Confirmations](#)

other

[Confirmation](#)

[other](#)

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

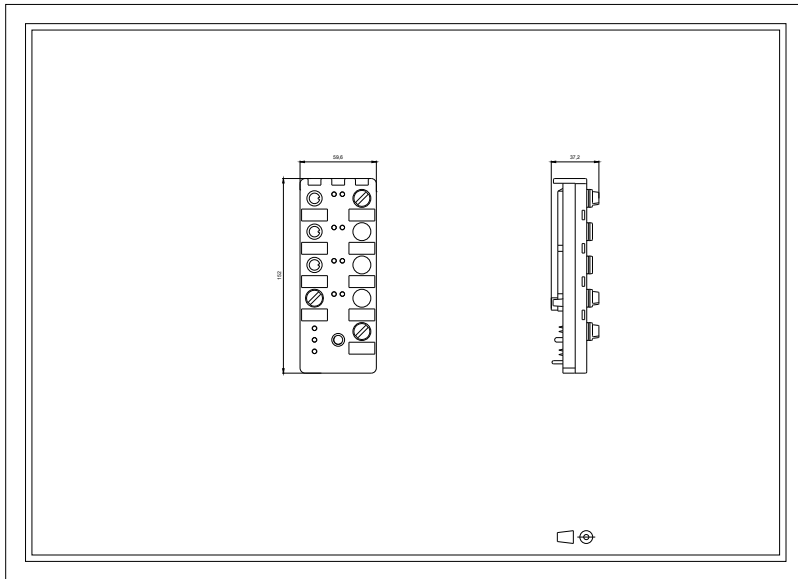
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK14001MQ010AA4>

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

<http://support.automation.siemens.com/WW/view/en/3RK14001MQ010AA4/all>

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

<http://www.automation.siemens.com/bilddb/index.aspx?attID9=3RK14001MQ010AA4&lang=en>



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