



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
Design of the 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 ($U_{aux} = 28.8$ V/duty cycle = 50 %): T_{max}/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 / input voltages		DC
Input voltage	V	20 ... 30
Inputs		
• switching level High / min	V	10
• switching level Low / max	V	5
Input current / at the digital input / for signal <1> / minimum	mA	6
Current carrying 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
Voltage type / of output voltages		DC
Inputs / external power supply / 24 V DC		using black AS-Interface cable
Output current / at the digital output / for signal <1> / nominal value	A	3
Outputs / aggregate current / max	A	4
Inputs / start-up ramp time / DC motor	1/s	80
Inputs / Start-up current / Motor (limited by internal module design)	A	4.5
Design of the switching output		PNP transistor
Characteristic feature of the output / short-circuit protected		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
- socket 4

PIN4 = OUT1 (D0)

PIN4 = OUT2 (D1)

Ambient conditions:

Ambient temperature

- during operating
- during storage

°C

-25 ... +55

°C

-40 ... +85

Protection class IP

IP67

Mechanical design:

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



CSA



GOST



UL

[Special Test Certificate](#)

Shipping Approval



ABS



LRS



PRS



RMRS

other

[Confirmation](#)

[Declaration of Conformity](#)

[other](#)

[Environmental Confirmations](#)

Further information:

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

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<http://www.siemens.com/industrial-controls/mall>

CAX-Online-Generator

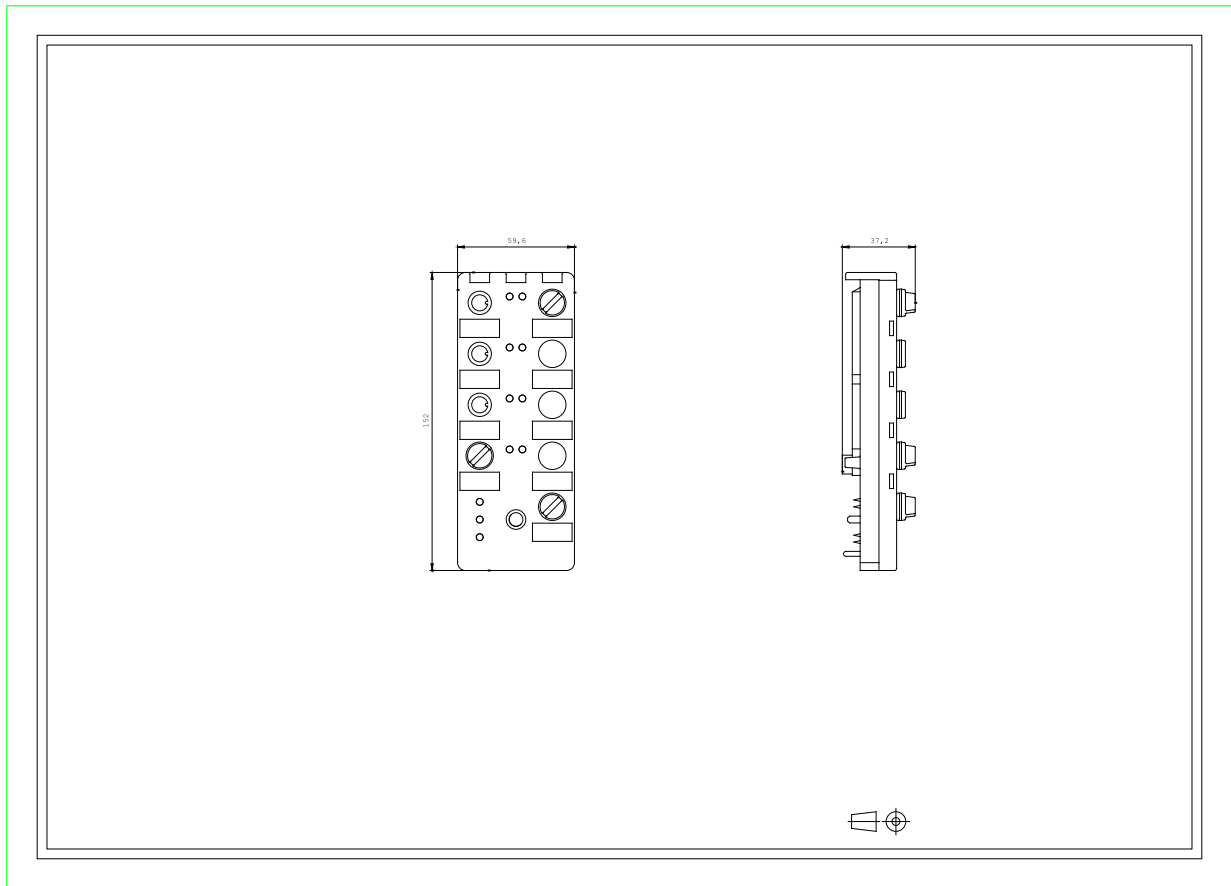
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RK1400-1MQ01-0AA4/all>

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

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



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