



AS-INTERFACE 24V DC STARTER IP67,
DIGITAL, 4I/1O, SINGLE STARTER,
TPYE K60 2 X 2 INPUTS, 200MA,
Y-ASSIGNM. 1 X OUTPUT,
3A TO CONNECT 1 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		single direct starter, 4 inputs, 1 output, QuickStop function
Design of the slave type		standard slave
I/O configuration		7
ID code		F
Number / I/O sockets		3
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 spezifikation	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 a 10 W DC motor 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 / input voltages		DC
Input voltage	V	20 ... 30
Inputs • switching level High / min • switching level Low / max	V V	10 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 • at ambient temperature 55 °C	mA mA	200 150
Inputs • sensor supply using AS-Interface • socket assignment • PIN 1 • PIN 2 • PIN 3 • PIN 4 • PIN 5		short-circuit and overload resistant sensor supply L+ data input sensor supply L- data input/QuickStop ground terminal

Outputs:		
Number of digital outputs		1
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
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 • 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		PIN4 = IN1 (D0 / QuickStop1), PIN2 = IN2 (D1) PIN4 = IN3 (D2), PIN2 = IN4 (D3) PIN4 = OUT1 (D0)

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



[Special Test Certificate](#)

Shipping Approval



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

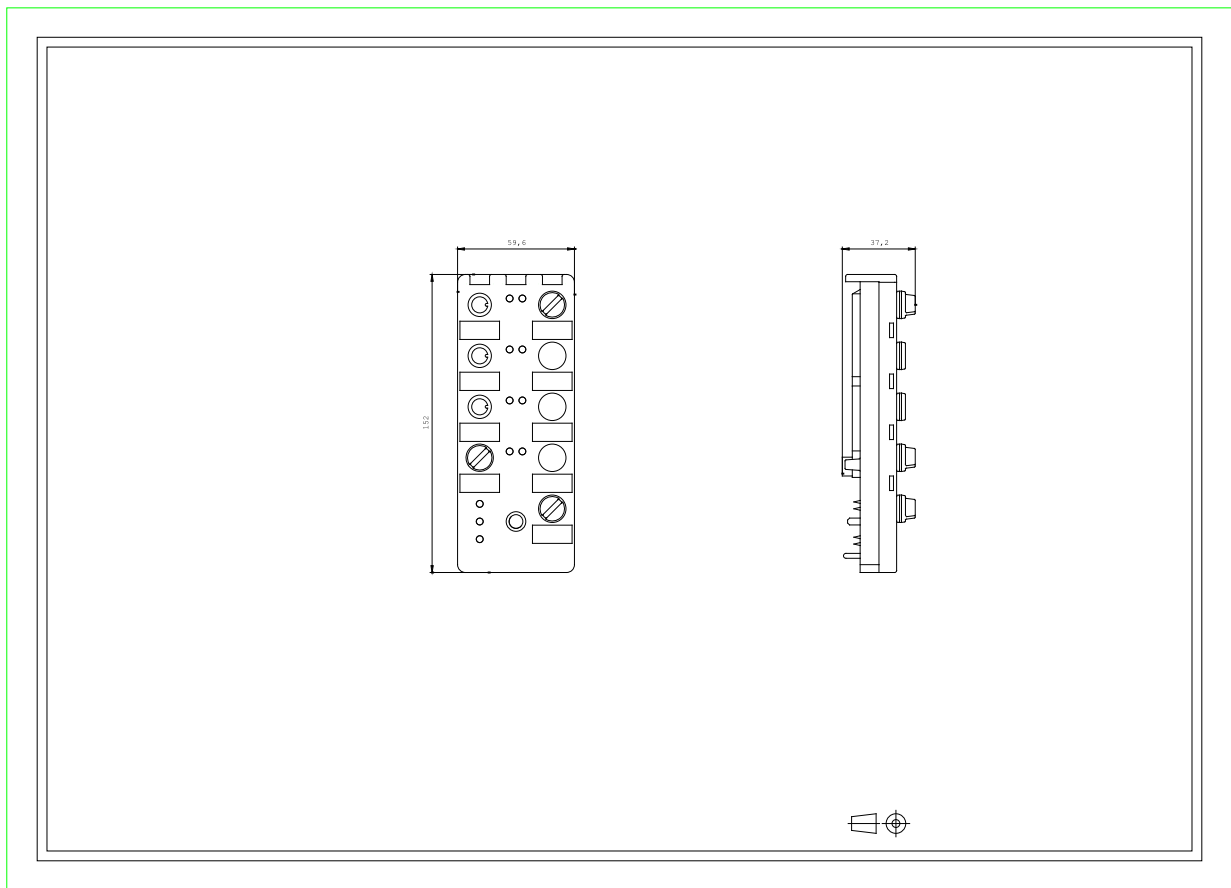
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RK1400-1NQ01-0AA4/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RK1400-1NQ01-0AA4



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