



AS-Interface 24 V DC starter 4 DI/1 DQ, IP67 DOL starter in K60 design 2 x 2 inputs, 200 mA Y assignment 1 output, 3 A for connection of 1 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		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
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 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 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		1
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
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), PIN2 = IN4 (D3)
• socket 3		PIN4 = OUT1 (D0)

Ambient conditions

Ambient temperature

- during operation
- during storage

°C

-25 ... +55

°C

-40 ... +85

Protection class IP

IP67

Mechanical data

Width

mm

60

Height

mm

152

Depth

mm

29

Mounting type

wall mounting using K60 mounting plate

Certificates/ approvals

General Product Approval

EMC

Declaration of Conformity



CSA



UL



RCM



EG-Konf.

[Miscellaneous](#)

Test Certificates

Shipping Approval

[Special Test Certificate](#)



ABS



LRS



PRS



RINA



RMRS

other

[Confirmation](#)

[Miscellaneous](#)



ASi

Further information

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=3RK1400-1NQ01-0AA4>

Cax online generator

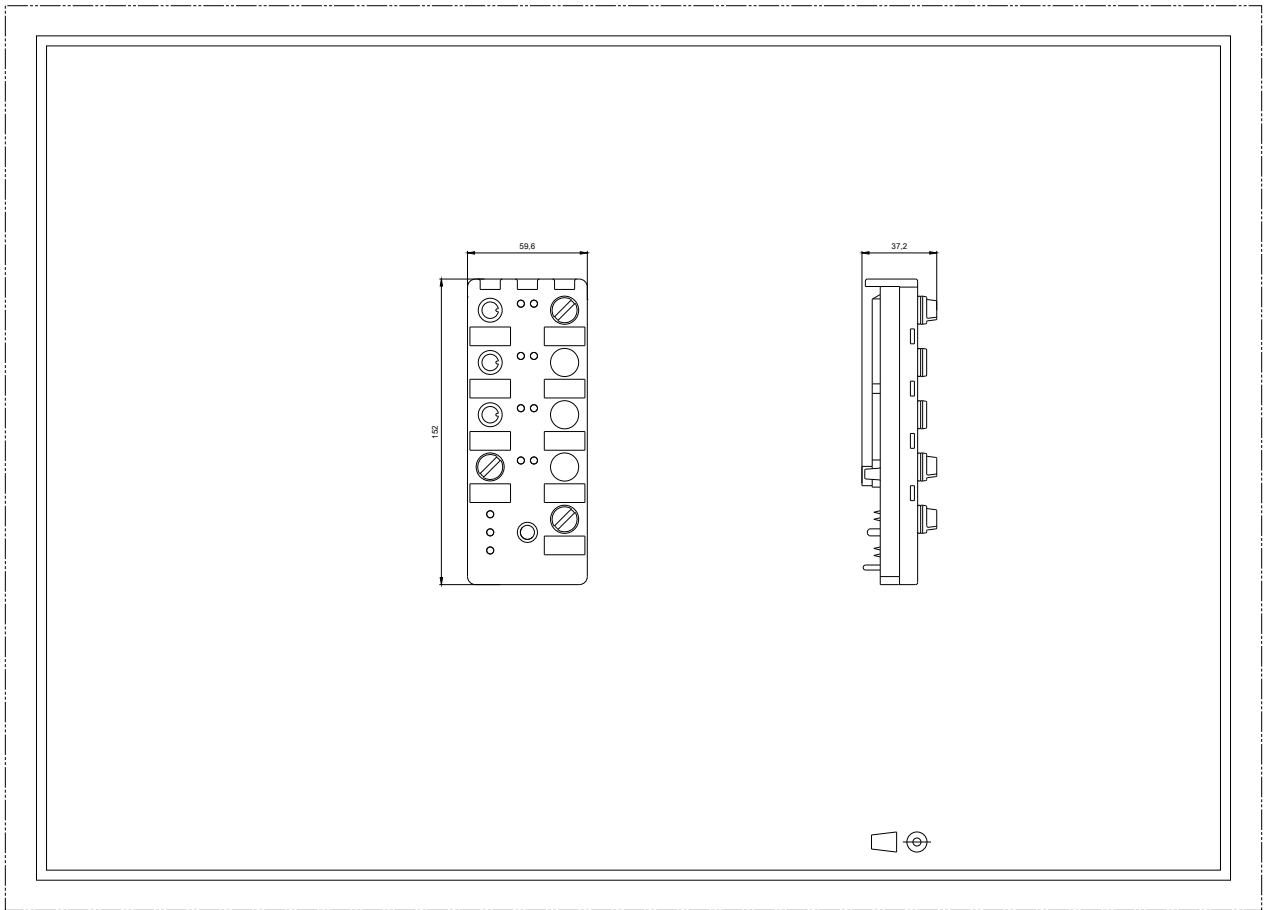
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1400-1NQ01-0AA4>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1400-1NQ01-0AA4>

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

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



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