

AS-i flat module, digital 4 DI/4 DQ, IP20 4 x inputs for 3-wire sensor 4 x output, 24 V DC Output supply via U_ASI Screw terminals



General technical data		
Design of the product		flat module
Design of the slave type		standard slave
Protocol is supported AS-Interface protocol		Yes
Type		4 inputs / 4 outputs
I/O configuration		7
ID/ID2 code		F/F
AS interface total current input max	mA	270
operating voltage according to AS-Interface spezifikation	V	26.5 ... 31.6
Total current for all inputs and outputs	mA	200
Addressing		using integrated addressing socket
Type of electrical connection of the inputs and outputs		screw-type terminals
Reference code acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750		A
Reference code acc. to DIN EN 61346-2		K
Sensor supply		
Type of voltage supply for power supply		using AS-Interface

Input voltage	V	20 ... 30
Property of the sensor supply Short-circuit and overload resistant		Yes

Inputs

Number of digital inputs		4
Type of connection		2- and 3-wire technology
Input circuit		PNP transistor
Type of voltage of the input voltages		DC
Inputs switching level High min	V	10
Input current at digital input		
• for signal <1> minimum	mA	5
• with signal <0> maximum	mA	1.5
Inputs sensor supply using AS-Interface		short-circuit and overload resistant

Outputs

Number of digital outputs		4
Type of voltage of output voltages		DC
Type of switching output		solid state
Property of the output Short-circuit proof		Yes
Outputs		
• short-circuit protection		built-in
• induction protection		built-in
• external power supply 24 V DC		not required (supply of all inputs and outputs using AS-Interface cable)
• watchdog		built-in
Status display display of AS-Interface/diagnostics		green/red dual LED
Assignment of data bits		
• D0		IN1/OUT1
• D1		IN2/OUT2
• D2		IN3/OUT3
• D3		IN4/OUT4

Ambient conditions

Ambient temperature		
• during operation	°C	-25 ... +85
• during storage	°C	-40 ... +85
Protection class IP		IP20

Mechanical data

Width	mm	18.5
Height	mm	81.5
Depth	mm	79.8
Mounting type		integrated lugs for screw fixing

Certificates/approvals

General Product Approval			EMC	Declaration of Conformity	
					Miscellaneous
CSA	UL		RCM	EG-Konf.	

Test Certificates	Shipping Approval				
Special Test Certificate					
	ABS	BUREAU VERITAS	LRS	PRS	RINA

Shipping Approval	other				
		Confirmation	Miscellaneous		
RMRS	ASi				

Further information

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

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

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1400-0CE00-0AA3>

Cax online generator

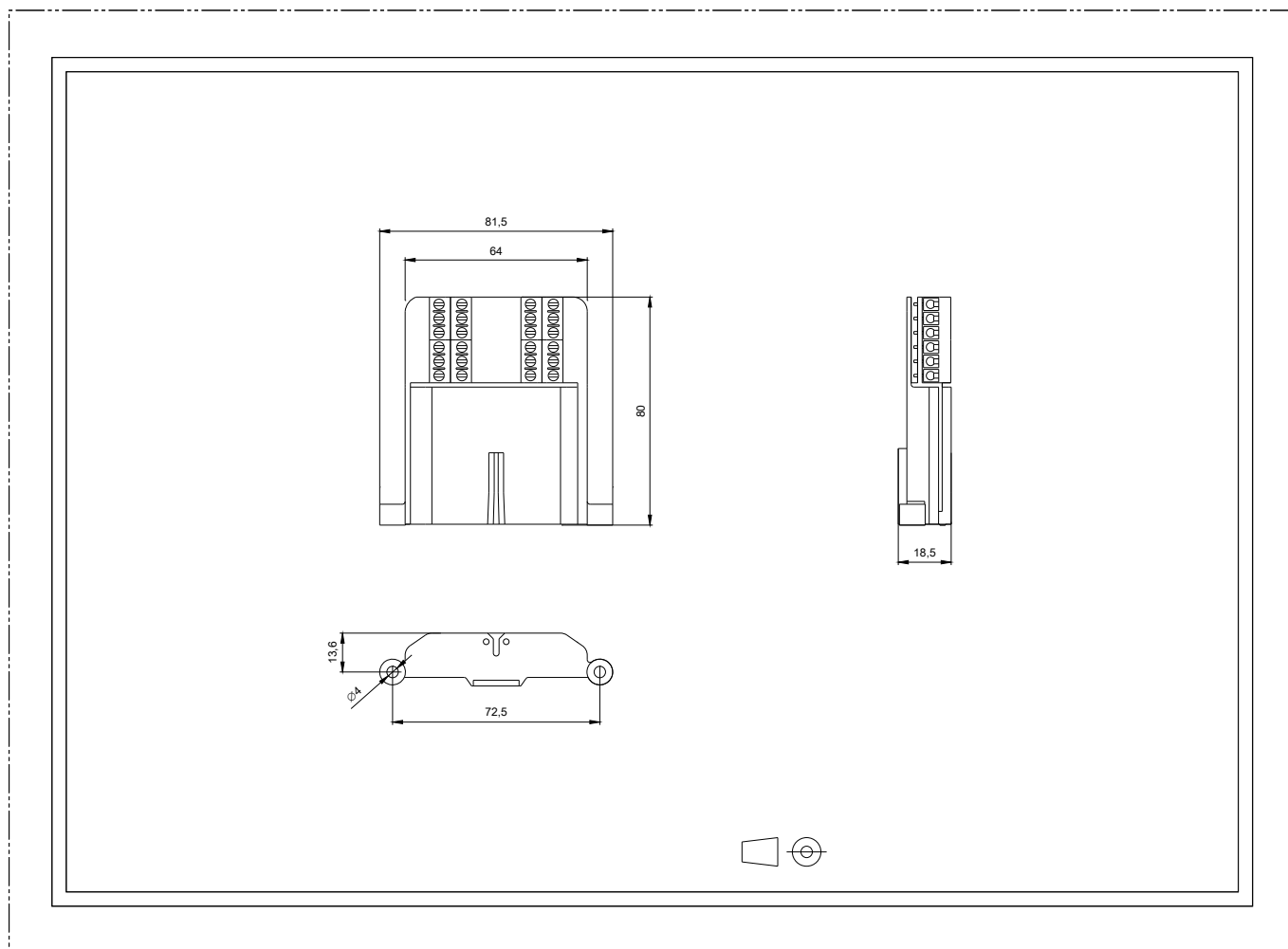
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1400-0CE00-0AA3>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1400-0CE00-0AA3>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1400-0CE00-0AA3&lang=en



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