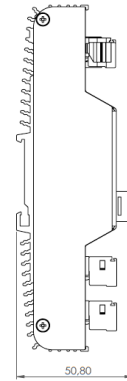




symbolic illustration



- 32 digital In- and 32 digital Outputs
- 16 analog In- or 16 analog Outputs



Specification	
Processor	32 Bit Cortex-M4 CPU 168 MHz
Interface	
Field bus interface	1 x CAN acc. ISO 11898 with galvanically isolation (2 x RJ45 In/Out)
Functions	
CANopen	CANopen Slave implementation
Bestell-Nr.:	
25211.0000	robusto slave - RSC102; 32DI, 32DO, 16AIO (CANopen)
Environment/ mechanical values	
Supply voltage	24 VDC (-15% / +20%) SELV with reverse battery protection
Housing	robusto heat sink with device lid
Protection class	IP20, acc. EN 60529
Mounting	snap-in mounting on top-hat rail DIN50022
Outside dimensions in mm (w x h x d)	approx. 200 x 156 x 50
Weight app.	430 g
Operating temperature	0 °C...55 °C
Storage temperature	-20°C... 70°C
Relative humidity for operation	10%...85% non-condensing
Relative humidity for storage	5%...85% non-condensing
Cooling	Passive heat sink
Diagnostic	
LED's	LEDs for operating- and status reports; LED Power; LED status I/O
Digitale Inputs	
Number	32
Input voltage	24 VDC with galvanically isolation, EN61131-2 Typ 3
Frequency max.	100 Hz +/- 20%, duty cycle high/low:1:1
Over voltage	33 V
Dissipation loss	0,2 watt per input
Connection	4 x socket 10-pole; contact spacing 3,5 mm, conductor crossection up to 0,2 ... 1,0 mm², 8 A WAGO: 714-140

Digital Outputs			
Number	32		
Output voltage	24 VDC with galvanically isolation		
Output current	0,5 A		
Total current (per DIN)	max. 4 A		
Switching frequency Ohm/inductive	100 Hz +/- 20%		
Short circuit - / therm. protection	Current limiting 0,7 A per channel/ 150°C fuse, 5 A		
Reverse polarity	yes		
Connection	4 x socket 10-pole; contact spacing 3,5 mm, conductor crosssection up to 0,2 ... 1,0 mm ² , 8 A WAGO: 714-140		
Analog In- and Outputs			
Number	16		
Analog input types of sensors :	KTY81-1 PT100, PT1000, PT500 (2- oder 3-wire) TC (B,E,J,K,L,N,R,S,T) Voltage : - 10...+ 10 VDC Current : 0...+ 20 mA Resistance: 0...500 Ohm		
Analog output types of sensors :	Voltage : - 10...+ 10 VDC Current : 0...+ 20 mA		
Accuracy	± 80 µA over input current 0..20 mA ± 40 mV over input voltage -10..10 V		
Conversion time	100 ms of all analog channels		
Current measuring range	Ain	0(4)...20 mA	Ampere
	Aout	0(4)...20 mA	Ampere
Voltage measuring range	Ain	-10...10 V	Volt
	Vout	-10...10 V	Volt
Temperature measuring range		-55...150°C	*KTY81-1
		-200...850°C	PT100
		-200...850°C	*PT500
		-200...200°C	PT1000
		1000...1820°	*TC Typ B
		80...630°C	*TC Typ E
		90...830°C	*TC Typ J
		120...1170°C	TC Typ K (Ni-CrNi)
		90...820°C	*TC Typ L (Fe-CuNi)
		170...1300°C	*TC Typ N
		540...1760°C	*TC Typ R
		570...1760°C	*TC Typ S (Pt-RhPt)
		110...400°C	*TC Typ T
		0...500 Ohm	Resistance
			Resolution:
			11µA/digit
			27µA/digit
			6mV/digit
			6mV/digit
			0,21°C/digit (bei 1 mA)
			0,6°C/digit (bei 5 mA)
			0,65°C/digit (bei 1 mA)
			0,59°C/digit (bei 1 mA)
			1,65°C/digit
			0,17°C/digit
			0,22°C/digit
			0,31°C/digit
			0,22°C/digit
			0,35°C/digit
			1,05°C/digit
			1,2°C/digit
			0,25°C/digit
			0,5 Ohm /digit

AD converter analog input	12-bit
D/A-converter analog output	12-bit
Current	0,1 A
Conversion time	100 ms of all analog channels
Connection	16 x multipoint socket connector eCOM with straight solder pins; with hilt plate; 3-pole; contact spacing 3,5 mm, conductor crosssection up to 0,2 ... 1,5 mm ² , 10 A WAGO: 2091-1403 * in preperation
Standards	
Product standard	EN61131-2 Programmable controllers - Part 2: Equipment requirements and tests (IEC 61131-2:2007); German version EN 61131-2:2007
Immunity and interference	EN61000-6-2 Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Emission standard for industrial environments (IEC 61000-6-2:2005); German version EN 61000-6-2:2005
	EN61000-6-4 Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments (IEC 61000-6-4:2006 + A1:2010); German version EN 61000-6-4:2007 + A1:2011
Accessories	
25001.0001	<p>Connector set composed of:</p> <p>8 x socket 10-pole; contact spacing 3,5 mm, conductor crosssection up to 0,2 ... 1,0 mm², 8 A Series 714-110</p> <p>16 x multipoint socket connector picoMAX® with straight solder pin; with hilt plate; 3-pole; contact spacing 3,5 mm, conductor crosssection up to 0,2 ... 1,5 mm², 10 A, WAGO: 2091-1103, serial: 2091-1103/002-000</p> <p>1 x socket 3-pole , Wago 734-103/037-000</p> <p>Supply connector: 1x socket 3-pole, contact spacing 3,5 mm, conductor crosssection up to 0,08 ... 1,5 mm², 10 A, Serie 734-103</p>
Applications	
	in many industries such as plastics, medical- and automation technology



Illustrations, descriptions, dimensions and specifications correspond to the circumstances or intentions at the time of printing this brochure. Changes of any kind, especially those resulting from technological progress, economic performance or a similar will be without notice. The external interconnection of equipment will be on your own responsibility

*Remark: The use of standard memory card (e.g. CF-cards is generally possible. Anyhow elrest GmbH does not take any responsibility thereby.

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