it´s all about perfection

RESI

C4 IoT CONTROLLER

Raspberry Pi is a trademark of the Raspberry Pi Foundation.
More information under www.raspberrypi.org

it´s all about perfection

RESI

STRIVE IN PERFECTION
IN WHATEVER YOU
DO
TAKE THE BEST THAT
EXISTS AND MAKE IT
BETTER
WHEN IT DOES NOT
EXIST. DESIGN IT.

Sir Henry Royce

CONTENT

In this catalog you will find all our product range for our C4 controllers ...

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OVERVIEW

Raspberry Pi is a trademark of the Raspberry Pi Foundation.
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RESI

RESI-C4-x
Controller

1xRS485

Power Supply
12-48V=

RESI-C4-A-4GB

2xUSB 2.0

Raspberry Pi4
Model B inside
2/4/8GB RAM

1xEthernet

1x32GB SD CARD

1xHDMI

RESI-C4-A-2GB-2E

2xEthernet
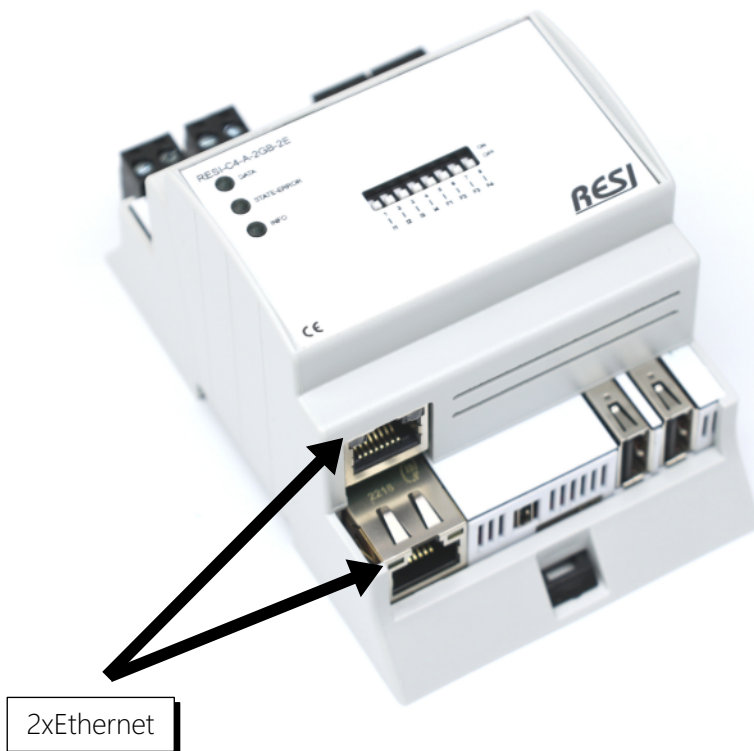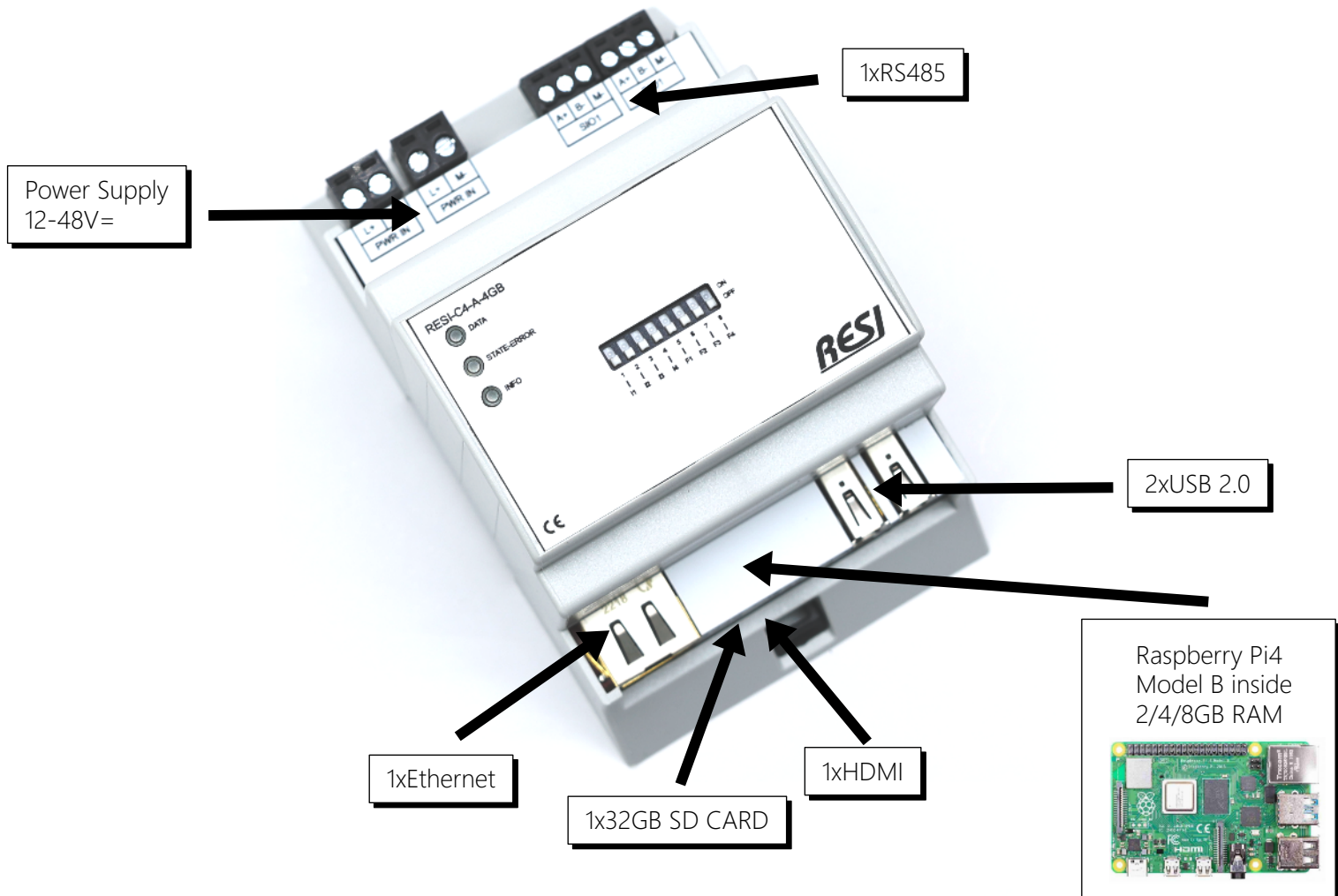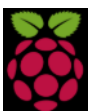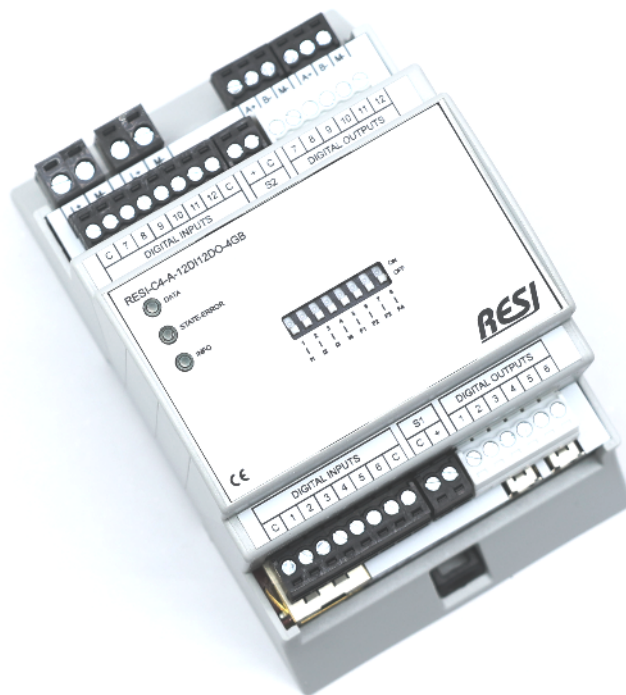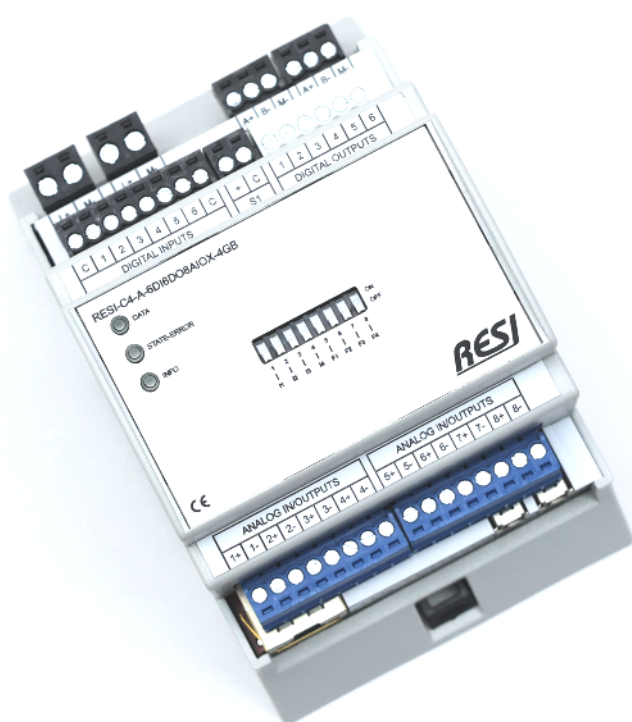
RESI-C4-x
Controller

Integrated digital/analog IOs

Raspberry Pi4 Model B inside 2/4/8GB RAM

RESI-C4-x Controller
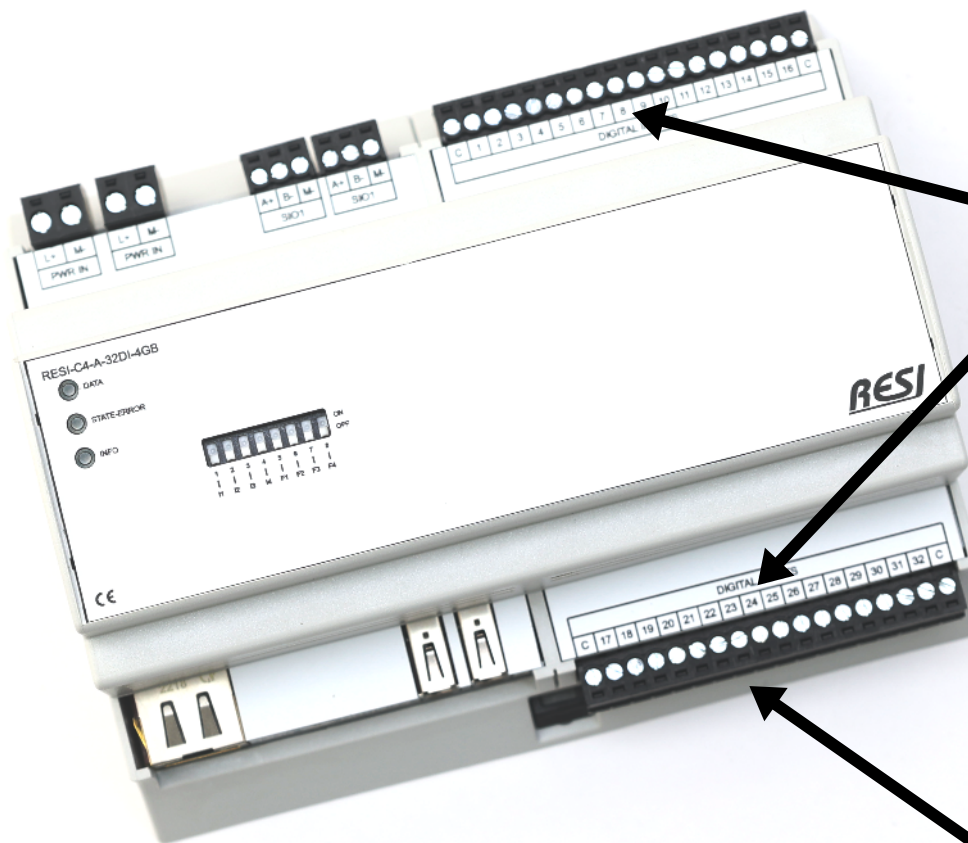
Integrated digital/analog IOs
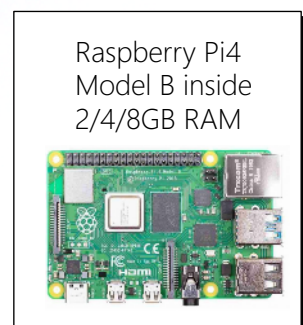
Raspberry Pi4 Model B inside 2/4/8GB RAM

Integrated LTE/NB LTE MODEM

RESI-C4-x Controller

Raspberry Pi4
Model B inside
2/4/8GB RAM

RESI-C4-A-64DI60DO16AIOX-4GB

RESI-C4-A-32DI24RO16AIOX-2GB

RESI-C4-x
Controller

Broad software support

IO TYPES

RESI

C4:DIGITAL IN

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.

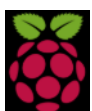|						
RESI-C4-14RI-xGB	Raspberry Pi CM4®	XT8 143x110x62mm	14xRI	14 Digital Inputs	LOGIC INPUT	12...250V~= ≤1.8mA
					Each input has its own 2pin plug-in terminal	
RESI-C4-48RI-xGB	Raspberry Pi CM4®	XT12 213x110x62mm	48xRI	48 Digital Inputs	LOGIC INPUT	12...250V~= ≤1.8mA
					Organized in 4 groups with 12 digital inputs each	
RESI-C4-A-6DI-xGB	Raspberry Pi CM4®	XT4 213x110x62mm	6xDI	6 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
RESI-C4-A-12DI-xGB	Raspberry Pi CM4®	XT4 213x110x62mm	12xDI	12 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
RESI-C4-A-24DI-xGB	Raspberry Pi CM4®	XT4 213x110x62mm	24xDI	24 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
RESI-C4-A-32DI-xGB	Raspberry Pi CM4®	XT8 143x110x62mm	32xDI	32 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
RESI-C4-A-64DI-xGB	Raspberry Pi CM4®	XT12 213x110x62mm	64xDI	64 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
RESI-C4-A-128DI-xGB	Raspberry Pi CM4®	XT12 213x110x62mm	128xDI	128 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
RESI-C4-A-152DI-xGB	Raspberry Pi CM4®	XT12 213x110x62mm	152xDI	152 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA

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C4:DIGITAL OUT

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RESI-C4-A-6DO-xGB	Raspberry Pi CM4®	XT4 213x110x62mm	6xDO	6 Digital Outputs	DIGITAL OUTPUT ≤30V= ≤700mA
					Output is shortcut & over heat protected. Organized in 2 groups with 6 outputs each. Each output group is externally supplied. Max. 1.8A power supply for output group.
RESI-C4-A-12DO-xGB	Raspberry Pi CM4®	XT4 213x110x62mm	12xDO	12 Digital Outputs	DIGITAL OUTPUT ≤30V= ≤700mA
					Output is shortcut & over heat protected. Organized in 2 groups with 6 outputs each. Each output group is externally supplied. Max. 1.8A power supply for output group.
RESI-C4-A-24DO-xGB	Raspberry Pi CM4®	XT4 213x110x62mm	24xDO	24 Digital Outputs	DIGITAL OUTPUT ≤30V= ≤700mA
					Output is shortcut & over heat protected. Organized in 2 groups with 12 outputs each. Each output group is externally supplied. Max. 1.8A power supply for output group.
RESI-C4-A-30DO-xGB	Raspberry Pi CM4®	XT8 143x110x62mm	30xDO	30 Digital Outputs	DIGITAL OUTPUT ≤30V= ≤700mA
					Output is shortcut & over heat protected. Organized in 2 groups with 15 outputs each. Each output group is externally supplied. Max. 1.8A power supply for output group.
RESI-C4-A-60DO-xGB	Raspberry Pi CM4®	XT12 213x110x62mm	60xDO	60 Digital Outputs	DIGITAL OUTPUT ≤30V= ≤700mA
					Output is shortcut & over heat protected. Organized in 4 groups with 15 outputs each. Each output group is externally supplied. Max. 1.8A power supply for output group.
RESI-C4-A-90DO-xGB	Raspberry Pi CM4®	XT12 213x110x62mm	90xDO	90 Digital Outputs	DIGITAL OUTPUT ≤30V= ≤700mA
					Output is shortcut & over heat protected. Organized in 6 groups with 15 outputs each. Each output group is externally supplied. Max. 1.8A power supply for output group.

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C4:DIGITAL OUT

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RESI-C4-A-12DOI-xGB	Raspberry Pi CM4®	XT8 143x110x62mm	12xDO	12 Digital Outputs	**DIGITAL OUTPUT ≤30V~=** **with current measurement** Current measurement for every output Organized in 2 groups with 6 outputs each. Each output group is externally supplied. For use with 24Vac or 24Vdc power supply
RESI-C4-A-8CO-xGB	Raspberry Pi CM4®	XT8 143x110x62mm	8xRO	8 Relay Outputs	RELAY OUTPUT ≤30V= ≤250V~ ≤8A 8xForm C
RESI-C4-A-8COBI-xGB	Raspberry Pi CM4®	XT8 143x110x62mm	8xRO bistable	8 Relay Outputs	BISTABLE RELAY OUTPUT ≤30V= ≤250V~ ≤8A 8xForm C
RESI-C4-A-8RO-xGB	Raspberry Pi CM4®	XT8 143x110x62mm	8xRO	8 Relay Outputs	RELAY OUTPUT ≤30V= ≤250V~ ≤6A 8xForm A with common supply+root
RESI-C4-A-12RO-xGB	Raspberry Pi CM4®	XT12 213x110x62mm	12xRO	12 Relay Outputs	RELAY OUTPUT ≤30V= ≤250V~ ≤6A 12xForm A
RESI-C4-A-16RO-xGB	Raspberry Pi CM4®	XT12 213x110x62mm	16xRO	8 Relay Outputs	RELAY OUTPUT ≤30V= ≤250V~ ≤6A 16xForm A with common supply+root
RESI-C4-A-24RO-xGB	Raspberry Pi CM4®	XT12 213x110x62mm	24xRO	24 Relay Outputs	RELAY OUTPUT ≤30V= ≤250V~ ≤6A 24xForm A

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C4:SOLID STATE

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RESI-C4-A-10SSR-1A-xGB	Raspberry Pi CM4®	XT8 143x110x62mm	10xSSR 1A	10 Solid State Outputs	SOLID STATE RELAY OUTPUT ≤230V=~ ≤1A 10xForm A
RESI-C4-A-10SSR-3A-xGB	Raspberry Pi CM4®	XT8 143x110x62mm	10xSSR 3A	10 Solid State Outputs	SOLID STATE RELAY OUTPUT ≤60V=~ ≤3A 10xForm A
RESI-C4-A-10SSR-6A-xGB	Raspberry Pi CM4®	XT8 143x110x62mm	10xSSR 6A	10 Solid State Outputs	SOLID STATE RELAY OUTPUT ≤60V=~ ≤6A 10xForm A
RESI-C4-A-20SSR-1A-xGB	Raspberry Pi CM4®	XT12 213x110x62mm	20xSSR 1A	20 Solid State Outputs	SOLID STATE RELAY OUTPUT ≤230V=~ ≤1A 20xForm A
RESI-C4-A-20SSR-3A-xGB	Raspberry Pi CM4®	XT12 213x110x62mm	20xSSR 3A	20 Solid State Outputs	SOLID STATE RELAY OUTPUT ≤60V=~ ≤3A 20xForm A
RESI-C4-A-20SSR-6A-xGB	Raspberry Pi CM4®	XT12 213x110x62mm	20xSSR 6A	20 Solid State Outputs	SOLID STATE RELAY OUTPUT ≤60V=~ ≤6A 20xForm A

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C4:SOLID STATE & DI

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RESI-C4-A-7RI5SSR-1A-xGB	Raspberry Pi CM4®	XT8 143x110x62mm	7xRI	7 Digital Inputs	LOGIC INPUT	12...250V~= ≤1.8mA
					Each input has its own 2pin plug-in terminal	
			5xSSR 1A	5 Solid State Outputs	SOLID STATE RELAY OUTPUT	≤230V=~ ≤1A
					5xForm A	
RESI-C4-A-7RI5SSR-3A-xGB	Raspberry Pi CM4®	XT8 143x110x62mm	7xRI	7 Digital Inputs	LOGIC INPUT	12...250V~= ≤1.8mA
					Each input has its own 2pin plug-in terminal	
			5xSSR 3A	5 Solid State Outputs	SOLID STATE RELAY OUTPUT	≤60V=~ ≤3A
					5xForm A	
RESI-C4-A-7RI5SSR-6A-xGB	Raspberry Pi CM4®	XT8 143x110x62mm	7xRI	7 Digital Inputs	LOGIC INPUT	12...250V~= ≤1.8mA
					Each input has its own 2pin plug-in terminal	
			5xSSR 6A	5 Solid State Outputs	SOLID STATE RELAY OUTPUT	≤60V=~ ≤6A
					5xForm A	

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C4:SOLID STATE & DI

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RESI-C4-A-14RI10SSR-1A-xGB	Raspberry Pi CM4®	XT12 213x110x62mm	14xRI	14 Digital Inputs	LOGIC INPUT	12...250V~= ≤1.8mA
					Each input has its own 2pin plug-in terminal	
			10xSSR 1A	10 Solid State Outputs	SOLID STATE RELAY OUTPUT	≤230V=~ ≤1A
					5xForm A	

RESI-C4-A-14RI10SSR-3A-xGB	Raspberry Pi CM4®	XT12 213x110x62mm	14xRI	14 Digital Inputs	LOGIC INPUT	12...250V~= ≤1.8mA
					Each input has its own 2pin plug-in terminal	
			10xSSR 3A	10 Solid State Outputs	SOLID STATE RELAY OUTPUT	≤60V=~ ≤3A
					5xForm A	

RESI-C4-A-14RI10SSR-6A-xGB	Raspberry Pi CM4®	XT12 213x110x62mm	14xRI	14 Digital Inputs	LOGIC INPUT	12...250V~= ≤1.8mA
					Each input has its own 2pin plug-in terminal	
			10xSSR 6A	10 Solid State Outputs	SOLID STATE RELAY OUTPUT	≤60V=~ ≤6A
					5xForm A	

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C4:POWER RELAYS

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RESI-C4-A-8PO-xGB	Raspberry Pi CM4®	XT12 213x110x62mm	8xPO 16A	8 Bistable Power Relays	BISTABLE POWER RELAY OUTPUT 8xForm A with manual override	≤250V~ ≤16A ≤200μF

| RESI-C4-A-16RI8PO-xGB | Raspberry Pi CM4® | XT12 213x110x62mm | 16xRI | 16 Digital Inputs | LOGIC INPUT | 12...250V~= ≤1.8mA |
| | | | 8xPO 16A | 8 Bistable Power Relays | BISTABLE POWER RELAY OUTPUT 8xForm A with manual override | ≤250V~ ≤16A ≤200μF |

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C4:DIGITAL IOs

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RESI-C4-A-6DI6DO-xGB	Raspberry Pi CM4®	XT4 72x110x62mm	6xDI	6 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
			6xDO	6 Digital Outputs	DIGITAL OUTPUT	≤30V= ≤700mA
					Output is shortcut & over heat protected. Organized in 1 group with 6 outputs each. Each output group is externally supplied. Max. 1.8A power supply for output group.	

RESI-C4-A-12DI12DO-xGB	Raspberry Pi CM4®	XT4 72x110x62mm	12xDI	12 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
			12xDO	12 Digital Outputs	DIGITAL OUTPUT	≤30V= ≤700mA
					Output is shortcut & over heat protected. Organized in 2 groups with 6 outputs each. Each output group is externally supplied. Max. 1.8A power supply for output group.	

RESI-C4-A-16DI15DO-xGB	Raspberry Pi CM4®	XT8 143x110x62mm	16xDI	16 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
			15xDO	15 Digital Outputs	DIGITAL OUTPUT	≤30V= ≤700mA
					Output is shortcut & over heat protected. Organized in 1 group with 15 outputs each. Each output group is externally supplied. Max. 1.8A power supply for output group.	

RESI-C4-A-32DI30DO-xGB	Raspberry Pi CM4®	XT12 213x110x62mm	32xDI	32 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
			30xDO	30 Digital Outputs	DIGITAL OUTPUT	≤30V= ≤700mA
					Output is shortcut & over heat protected. Organized in 2 groups with 15 outputs each. Each output group is externally supplied. Max. 1.8A power supply for output group.	

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C4:DIGITAL IOs

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RESI-C4-A-64DI60DO-xGB	Raspberry Pi CM4®	XT12 213x110x62mm	64xDI	64 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
			60xDO	60 Digital Outputs	DIGITAL OUTPUT	≤30V= ≤700mA
					Output is shortcut & over heat protected. Organized in 4 groups with 15 outputs each. Each output group is externally supplied. Max. 1.8A power supply for output group.	

RESI-C4-A-76DI72DO-xGB	Raspberry Pi CM4®	XT12 213x110x62mm	76xDI	76 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
			72xDO	72 Digital Outputs	DIGITAL OUTPUT	≤30V= ≤700mA
					Output is shortcut & over heat protected. Organized in 4 groups with 15 outputs each and 2 groups with 6 outputs each. Each output group is externally supplied. Max. 1.8A power supply for output group.	

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C4:DIGITAL IOs

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RESI-C4-A-10RI8RO-xGB	Raspberry Pi CM4®	XT8 143x110x62mm	10xRI	10 Digital Inputs	LOGIC INPUT	12...250V~= ≤1.8mA
			8xRO	8 Relay Outputs	RELAY OUTPUT	≤30V= ≤250V~ ≤6A
					8xForm A with common supply+root	
RESI-C4-A-20RI16RO-xGB	Raspberry Pi CM4®	XT12 213x110x62mm	20xRI	20 Digital Inputs	LOGIC INPUT	12...250V~= ≤1.8mA
			16xRO	8 Relay Outputs	RELAY OUTPUT	≤30V= ≤250V~ ≤6A
					16xForm A with common supply+root	
RESI-C4-A-32DI12RO-xGB	Raspberry Pi CM4®	XT12 213x110x62mm	32xDI	32 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
			12xRO	12 Relay Outputs	RELAY OUTPUT	≤30V= ≤250V~ ≤6A
					12xForm A	
RESI-C4-A-32DI24RO-xGB	Raspberry Pi CM4®	XT12 213x110x62mm	32xDI	32 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
			24xRO	24 Relay Outputs	RELAY OUTPUT	≤30V= ≤250V~ ≤6A
					24xForm A	
RESI-C4-A-44DI12DO24RO-xGB	Raspberry Pi CM4®	XT12 213x110x62mm	44xDI	44 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
			12xDO	12 Digital Outputs	DIGITAL OUTPUT	≤30V= ≤700mA
					Output is shortcut & over heat protected. Organized in 2 groups with 6 outputs each. Each output group is externally supplied. Max. 1.8A power supply for output group.	
			24xRO	24 Relay Outputs	RELAY OUTPUT	≤30V= ≤250V~ ≤6A
					24xForm A	

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C4:SHADE&BLINDS

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RESI-C4-A-4SB-xGB	Raspberry Pi CM4®	XT8 143x110x62mm	4xSB	4 Shades & Blinds	RELAY OUTPUT 8xForm A with common supply+root	≤30V= ≤250V~ ≤6A AgSnO$_2$
RESI-C4-A-8SB-xGB	Raspberry Pi CM4®	XT12 213x110x62mm	8xSB	8 Shades & Blinds	RELAY OUTPUT 16xForm A with common supply+root	≤30V= ≤250V~ ≤6A AgSnO$_2$
RESI-C4-A-10RI4SB-xGB	Raspberry Pi CM4®	XT8 143x110x62mm	10xRI	10 Digital Inputs	LOGIC INPUT	12...250V~= ≤1.8mA
			4xSB	4 Shades & Blinds	RELAY OUTPUT 8xForm A with common supply+root	≤30V= ≤250V~ ≤6A AgSnO$_2$
RESI-C4-A-20RI8SB-xGB	Raspberry Pi CM4®	XT12 213x110x62mm	20xRI	20 Digital Inputs	LOGIC INPUT	12...250V~= ≤1.8mA
			8xSB	8 Shades & Blinds	RELAY OUTPUT 16xForm A with common supply+root	≤30V= ≤250V~ ≤6A AgSnO$_2$

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C4:LED STRIPES

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RESI-C4-A-4LED-xGB	Raspberry Pi CM4®	XT8 143x110x62mm	4xGROUPs 3xPWM/Group	12 PWM Outputs	PWM OUTPUT LED STRIPES ≤60V= ≤5A 12 individual channels organized in 4 groups with external power supply per group

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C4: UNIVERSAL IOs

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| RESI-C4-A-4AIOX-xGB | Raspberry Pi CM4® | XT4 72x110x62mm | 4xAIOX Universal analog Inputs or outputs | 4 Universal Inputs or Outputs Each channel can be configured to: Analog Input or Analog Output or RTD Sensor Input or Digital Input | ANALOG INPUTS 0...10V or 0..20mA or 4..20mA ±0.2% 16 Bit ANALOG OUTPUTS 0...10V or 0..20mA or 4..20mA ±0.3% 13 Bit RTD Sensors 0...80Ω — 0.5%±0.5 16 Bit 80...200Ω — 0.3% 16 Bit 200...10kΩ — 0.2% 16 Bit 10kΩ...20kΩ — 0.3% 16 Bit 20kΩ...100kΩ — 0.8% 16 Bit 100kΩ...200kΩ — 1.0% 16 Bit 200kΩ...1MΩ — 8.0% 16 Bit LOGIC INPUT ≤40V ≤1.8mA DRY CONTACT 0.5...24.5mA |

| RESI-C4-A-8AIOX-xGB | Raspberry Pi CM4® | XT4 72x110x62mm | 8xAIOX Universal analog Inputs or outputs | 8 Universal Inputs or Outputs Each channel can be configured to: Analog Input or Analog Output or RTD Sensor Input or Digital Input | ANALOG INPUTS 0...10V or 0..20mA or 4..20mA ±0.2% 16 Bit ANALOG OUTPUTS 0...10V or 0..20mA or 4..20mA ±0.3% 13 Bit RTD Sensors 0...80Ω — 0.5%±0.5 16 Bit 80...200Ω — 0.3% 16 Bit 200...10kΩ — 0.2% 16 Bit 10kΩ...20kΩ — 0.3% 16 Bit 20kΩ...100kΩ — 0.8% 16 Bit 100kΩ...200kΩ — 1.0% 16 Bit 200kΩ...1MΩ — 8.0% 16 Bit LOGIC INPUT ≤40V ≤1.8mA DRY CONTACT 0.5...24.5mA |

| RESI-C4-A-16AIOX-xGB | Raspberry Pi CM4® | XT4 72x110x62mm | 16xAIOX Universal analog Inputs or outputs | 16 Universal Inputs or Outputs Each channel can be configured to: Analog Input or Analog Output or RTD Sensor Input or Digital Input | ANALOG INPUTS 0...10V or 0..20mA or 4..20mA ±0.2% 16 Bit ANALOG OUTPUTS 0...10V or 0..20mA or 4..20mA ±0.3% 13 Bit RTD Sensors 0...80Ω — 0.5%±0.5 16 Bit 80...200Ω — 0.3% 16 Bit 200...10kΩ — 0.2% 16 Bit 10kΩ...20kΩ — 0.3% 16 Bit 20kΩ...100kΩ — 0.8% 16 Bit 100kΩ...200kΩ — 1.0% 16 Bit 200kΩ...1MΩ — 8.0% 16 Bit LOGIC INPUT ≤40V ≤1.8mA DRY CONTACT 0.5...24.5mA |

RESI

C4: ANALOG IOs

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.

RESI-C4-A-12AIU-xGB	Raspberry Pi CM4®	XT8 143x110x62mm	12xAIU	12 Analog Inputs	0...10V -10V...+10V	±0.1% 16 Bit
RESI-C4-A-12AOU-xGB	Raspberry Pi CM4®	XT8 143x110x62mm	12xAOU	12 Analog Outputs	-10V...+10V	±0.1% 12 Bit
RESI-C4-A-8RTD-xGB	Raspberry Pi CM4®	XT8 143x110x62mm	8xRTD	8 RTD Sensor Inputs	SENSORS: PT100 PT200 PT500 PT1000 NI120 NI1000-DIN43760 Ohm	±0.1% 24 Bit
				2-wire, 3-wire and 4-wire		
RESI-C4-A-8RTD2-xGB	Raspberry Pi CM4®	XT8 143x110x62mm	8xRTD	8 RTD Sensor Inputs	SENSORS: PT100 PT200 PT500 PT1000 NI120 NI1000-DIN43760 Ohm	±0.1% 24 Bit
				2-wire		

RESI

C4: COMBINED IOs

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RESI-C4-A-6DI6DO4AIOX-xGB	Raspberry Pi CM4®	XT4 72x110x62mm	6xDI	6 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
			6xDO	6 Digital Outputs	DIGITAL OUTPUT	≤30V= ≤700mA
					Output is shortcut & over heat protected. Organized in 1 group with 6 outputs each. Each output group is externally supplied. Max. 1.8A power supply for output group.	
			4xAIOX Universal analog Inputs or outputs	4 Universal Inputs or Outputs	ANALOG INPUTS 0...10V or 0..20mA or 4..20mA ±0.2% 16 Bit	
				Each channel can be configured to: Analog Input or Analog Output or RTD Sensor Input or Digital Input	ANALOG OUTPUTS 0...10V or 0..20mA or 4..20mA ±0.3% 13 Bit	
					RTD Sensors 0...80Ω 0.5%±0.5 16 Bit 80...200Ω 0.3% 16 Bit 200...10kΩ 0.2% 16 Bit 10kΩ...20kΩ 0.3% 16 Bit 20kΩ...100kΩ 0.8% 16 Bit 100kΩ...200kΩ 1.0% 16 Bit 200kΩ...1MΩ 8.0% 16 Bit	
					LOGIC INPUT ≤40V ≤1.8mA DRY CONTACT 0.5...24.5mA	

RESI-C4-A-6DI6DO8AIOX-xGB	Raspberry Pi CM4®	XT4 72x110x62mm	8xAIOX Universal analog Inputs or outputs	Rest like RESI-C4-A-6DI6DO4AIOX-xGB

RESI

C4: COMBINED IOs

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.

RESI-C4-A-16DI15DO4AIOX-xGB	Raspberry Pi CM4®	XT8 143x110x62mm	16xDI	16 Digital Inputs	**LOGIC INPUT** 12...48V= ≤1.8mA
			15xDO	15 Digital Outputs	**DIGITAL OUTPUT** ≤30V= ≤700mA Output is shortcut & over heat protected. Organized in 1 group with 15 outputs each. Each output group is externally supplied. Max. 1.8A power supply for output group.
			4xAIOX Universal analog Inputs or outputs	4 Universal Inputs or Outputs Each channel can be configured to: Analog Input or Analog Output or RTD Sensor Input or Digital Input	**ANALOG INPUTS** 0...10V or 0..20mA or 4..20mA ±0.2% 16 Bit **ANALOG OUTPUTS** 0...10V or 0..20mA or 4..20mA ±0.3% 13 Bit **RTD Sensors** 0...80Ω 0.5%±0.5 16 Bit 80...200Ω 0.3% 16 Bit 200...10kΩ 0.2% 16 Bit 10kΩ...20kΩ 0.3% 16 Bit 20kΩ...100kΩ 0.8% 16 Bit 100kΩ...200kΩ 1.0% 16 Bit 200kΩ...1MΩ 8.0% 16 Bit **LOGIC INPUT** ≤40V ≤1.8mA DRY CONTACT 0.5...24.5mA
RESI-C4-A-16DI15DO8AIOX-xGB	Raspberry Pi CM4®	XT8 143x110x62mm	8xAIOX Universal analog Inputs or outputs	Rest like RESI-C4-A-16DI15DO4AIOX-xGB	
RESI-C4-A-16DI15DO16AIOX-xGB	Raspberry Pi CM4®	XT8 143x110x62mm	16xAIOX Universal analog Inputs or outputs	Rest like RESI-C4-A-16DI15DO4AIOX-xGB	

RESI

C4: COMBINED IOs

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RESI-C4-A-32DI30DO4AIOX-xGB	Raspberry Pi CM4®	XT12 213x110x62mm	32xDI	32 Digital Inputs	LOGIC INPUT 12...48V= ≤1.8mA
			30xDO	30 Digital Outputs	DIGITAL OUTPUT ≤30V= ≤700mA Output is shortcut & over heat protected. Organized in 2 group with 15 outputs each. Each output group is externally supplied. Max. 1.8A power supply for output group.
			4xAIOX Universal analog Inputs or outputs	4 Universal Inputs or Outputs Each channel can be configured to: Analog Input or Analog Output or RTD Sensor Input or Digital Input	ANALOG INPUTS 0...10V or 0..20mA or 4..20mA ±0.2% 16 Bit ANALOG OUTPUTS 0...10V or 0..20mA or 4..20mA ±0.3% 13 Bit RTD Sensors 0...80Ω 0.5%±0.5 16 Bit 80...200Ω 0.3% 16 Bit 200...10kΩ 0.2% 16 Bit 10kΩ...20kΩ 0.3% 16 Bit 20kΩ...100kΩ 0.8% 16 Bit 100kΩ...200kΩ 1.0% 16 Bit 200kΩ...1MΩ 8.0% 16 Bit LOGIC INPUT ≤40V ≤1.8mA DRY CONTACT 0.5...24.5mA
RESI-C4-A-32DI30DO8AIOX-xGB	Raspberry Pi CM4®	XT12 213x110x62mm	8xAIOX Universal analog Inputs or outputs	Rest like RESI-C4-A-32DI30DO4AIOX-xGB	
RESI-C4-A-32DI30DO16AIOX-xGB	Raspberry Pi CM4®	XT12 213x110x62mm	16xAIOX Universal analog Inputs or outputs	Rest like RESI-C4-A-32DI30DO4AIOX-xGB	

RESI

C4: COMBINED IOs

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.

RESI-C4-A-64DI60DO4AIOX-xGB	Raspberry Pi CM4®	XT12 213x110x62mm	64xDI	64 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
			60xDO	60 Digital Outputs	DIGITAL OUTPUT	≤30V= ≤700mA
					Output is shortcut & over heat protected. Organized in 4 group with 15 outputs each. Each output group is externally supplied. Max. 1.8A power supply for output group.	
			4xAIOX Universal analog Inputs or outputs	4 Universal Inputs or Outputs	ANALOG INPUTS 0...10V or 0..20mA or 4..20mA ±0.2% 16 Bit	
				Each channel can be configured to: Analog Input or Analog Output or RTD Sensor Input or Digital Input	ANALOG OUTPUTS 0...10V or 0..20mA or 4..20mA ±0.3% 13 Bit	
					RTD Sensors	
					0...80Ω	0.5%±0.5 16 Bit
					80...200Ω	0.3% 16 Bit
					200...10kΩ	0.2% 16 Bit
					10kΩ...20kΩ	0.3% 16 Bit
					20kΩ...100kΩ	0.8% 16 Bit
					100kΩ...200kΩ	1.0% 16 Bit
					200kΩ...1MΩ	8.0% 16 Bit
					LOGIC INPUT	≤40V ≤1.8mA
					DRY CONTACT	0.5...24.5mA

RESI-C4-A-64DI60DO8AIOX-xGB	Raspberry Pi CM4®	XT12 213x110x62mm	8xAIOX Universal analog Inputs or outputs	Rest like RESI-C4-A-64DI60DO4AIOX-xGB
RESI-C4-A-64DI60DO16AIOX-xGB	Raspberry Pi CM4®	XT12 213x110x62mm	16xAIOX Universal analog Inputs or outputs	Rest like RESI-C4-A-64DI60DO4AIOX-xGB

RESI

C4: COMBINED IOs

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RESI-C4-A-32DI12RO4AIOX-xGB	Raspberry Pi CM4®	XT12 213x110x62mm	32xDI	32 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
			12xRO	12 Relay Outputs	RELAY OUTPUT 12xForm A	≤30V= ≤250V~ ≤6A
			4xAIOX Universal analog Inputs or outputs	4 Universal Inputs or Outputs. Each channel can be configured to: Analog Input or Analog Output or RTD Sensor Input or Digital Input	ANALOG INPUTS 0...10V or 0..20mA or 4..20mA ±0.2% 16 Bit ANALOG OUTPUTS 0...10V or 0..20mA or 4..20mA ±0.3% 13 Bit RTD Sensors 0...80Ω 80...200Ω 200...10kΩ 10kΩ...20kΩ 20kΩ...100kΩ 100kΩ...200kΩ 200kΩ...1MΩ LOGIC INPUT DRY CONTACT	0.5%±0.5 16 Bit 0.3% 16 Bit 0.2% 16 Bit 0.3% 16 Bit 0.8% 16 Bit 1.0% 16 Bit 8.0% 16 Bit ≤40V ≤1.8mA 0.5...24.5mA
RESI-C4-A-32DI12RO8AIOX-xGB	Raspberry Pi CM4®	XT12 213x110x62mm	8xAIOX Universal analog Inputs or outputs	Rest like RESI-C4-A-32DI12RO4AIOX-xGB		
RESI-C4-A-32DI12RO16AIOX-xGB	Raspberry Pi CM4®	XT12 213x110x62mm	16xAIOX Universal analog Inputs or outputs	Rest like RESI-C4-A-32DI12RO4AIOX-xGB		

RESI

C4: COMBINED IOs

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.

RESI-C4-A-32DI24RO4AIOX-xGB	Raspberry Pi CM4®	XT12 213x110x62mm	32xDI	32 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
			24xRO	24 Relay Outputs	RELAY OUTPUT 24xForm A	≤30V= ≤250V~ ≤6A
			4xAIOX Universal analog Inputs or outputs	4 Universal Inputs or Outputs Each channel can be configured to: Analog Input or Analog Output or RTD Sensor Input or Digital Input	ANALOG INPUTS 0...10V or 0..20mA or 4..20mA ±0.2% 16 Bit ANALOG OUTPUTS 0...10V or 0..20mA or 4..20mA ±0.3% 13 Bit RTD Sensors 0...80Ω 0.5%±0.5 16 Bit 80...200Ω 0.3% 16 Bit 200...10kΩ 0.2% 16 Bit 10kΩ...20kΩ 0.3% 16 Bit 20kΩ...100kΩ 0.8% 16 Bit 100kΩ...200kΩ 1.0% 16 Bit 200kΩ...1MΩ 8.0% 16 Bit LOGIC INPUT ≤40V ≤1.8mA DRY CONTACT 0.5...24.5mA	

RESI-C4-A-32DI24RO8AIOX-xGB	Raspberry Pi CM4®	XT12 213x110x62mm	8xAIOX Universal analog Inputs or outputs	Rest like RESI-C4-A-32DI24RO4AIOX-xGB
RESI-C4-A-32DI24RO16AIOX-xGB	Raspberry Pi CM4®	XT12 213x110x62mm	16xAIOX Universal analog Inputs or outputs	Rest like RESI-C4-A-32DI24RO4AIOX-xGB

RESI

C4: COMBINED IOs

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RESI-C4-A-38DI6DO24RO8AIOX-xGB	Raspberry Pi CM4®	XT12 213x110x62mm	38xDI	38 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
			6xDO	6 Digital Outputs	DIGITAL OUTPUT	≤30V= ≤700mA
					Output is shortcut & over heat protected. Organized in 1 group with 6 outputs each. Each output group is externally supplied. Max. 1.8A power supply for output group.	
			24xRO	24 Relay Outputs	RELAY OUTPUT 24xForm A	≤30V= ≤250V~ ≤6A
			8xAIOX Universal analog Inputs or outputs	8 Universal Inputs or Outputs Each channel can be configured to: Analog Input or Analog Output or RTD Sensor Input or Digital Input	ANALOG INPUTS 0...10V or 0..20mA or 4..20mA ±0.2% 16 Bit ANALOG OUTPUTS 0...10V or 0..20mA or 4..20mA ±0.3% 13 Bit	

RTD Sensors
0...80Ω	0.5%±0.5 16 Bit
80...200Ω	0.3% 16 Bit
200...10kΩ	0.2% 16 Bit
10kΩ...20kΩ	0.3% 16 Bit
20kΩ...100kΩ	0.8% 16 Bit
100kΩ...200kΩ	1.0% 16 Bit
200kΩ...1MΩ	8.0% 16 Bit

LOGIC INPUT	≤40V ≤1.8mA
DRY CONTACT	0.5...24.5mA

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C4: COMBINED IOs

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RESI-C4-A-6DI6DO16RI8PO8AIOX-xGB	Raspberry Pi CM4®	XT12 213x110x62mm				
			6xDI	6 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
			6xDO	6 Digital Outputs	DIGITAL OUTPUT	≤30V= ≤700mA
					Output is shortcut & over heat protected. Organized in 1 group with 6 outputs each. Each output group is externally supplied. Max. 1.8A power supply for output group.	
			16xRI	16 Digital Inputs	LOGIC INPUT	12...250V~= ≤1.8mA
			8xPO 16A	8 Bistable Power Relays	BISTABLE POWER RELAY OUTPUT	≤250V~ ≤16A ≤200µF
					8xForm A with manual override	
			8xAIOX Universal analog Inputs or outputs	8 Universal Inputs or Outputs	ANALOG INPUTS 0...10V or 0..20mA or 4..20mA ±0.2% 16 Bit	
				Each channel can be configured to: Analog Input or Analog Output or RTD Sensor Input or Digital Input	ANALOG OUTPUTS 0...10V or 0..20mA or 4..20mA ±0.3% 13 Bit	

RTD Sensors
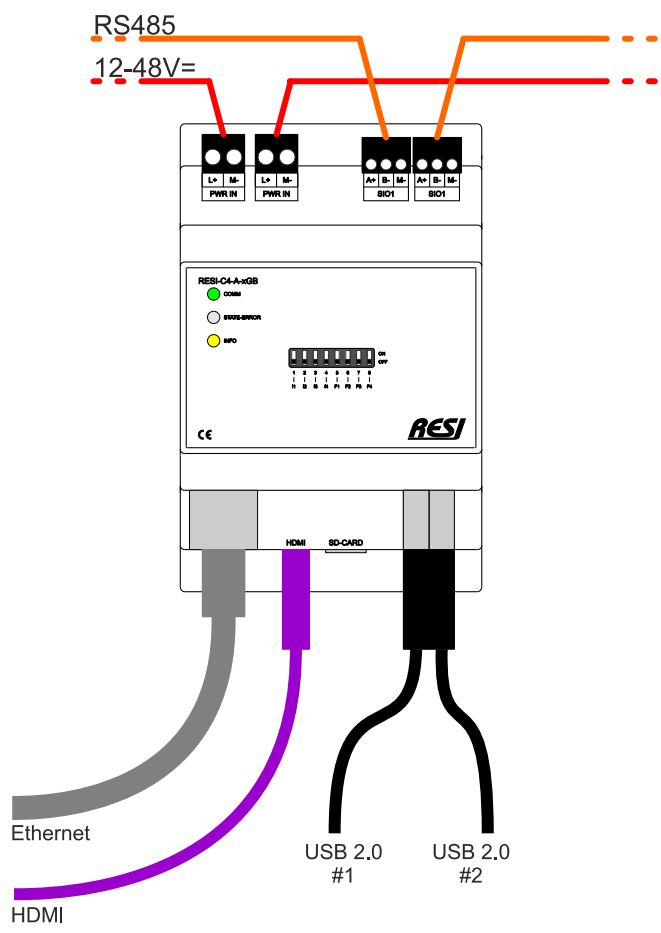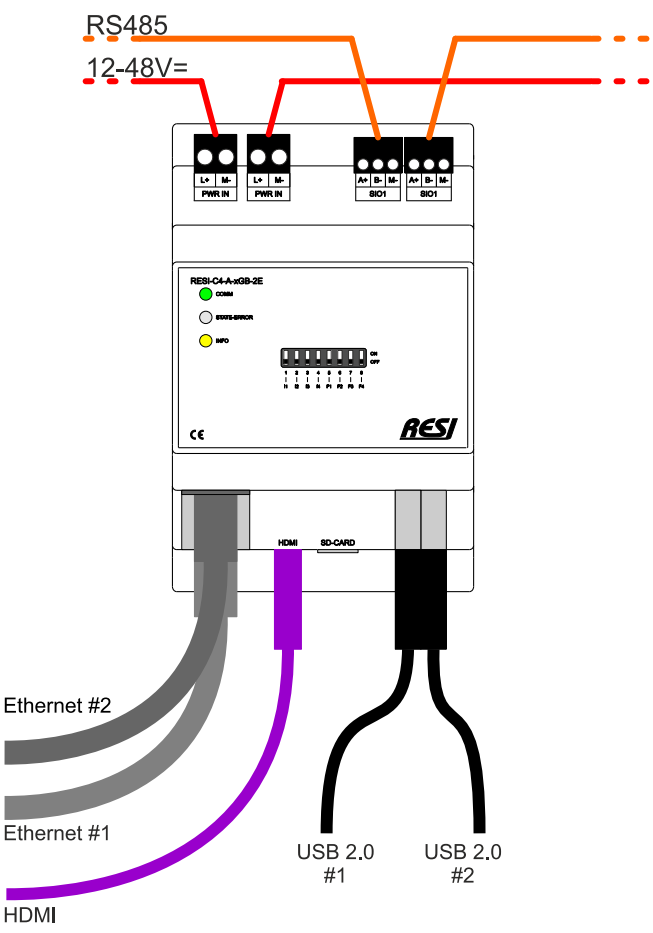|	
0...80Ω	0.5%±0.5 16 Bit
80...200Ω	0.3% 16 Bit
200...10kΩ	0.2% 16 Bit
10kΩ...20kΩ	0.3% 16 Bit
20kΩ...100kΩ	0.8% 16 Bit
100kΩ...200kΩ	1.0% 16 Bit
200kΩ...1MΩ	8.0% 16 Bit

LOGIC INPUT ≤40V ≤1.8mA
DRY CONTACT 0.5...24.5mA

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C4: COMBINED IOs

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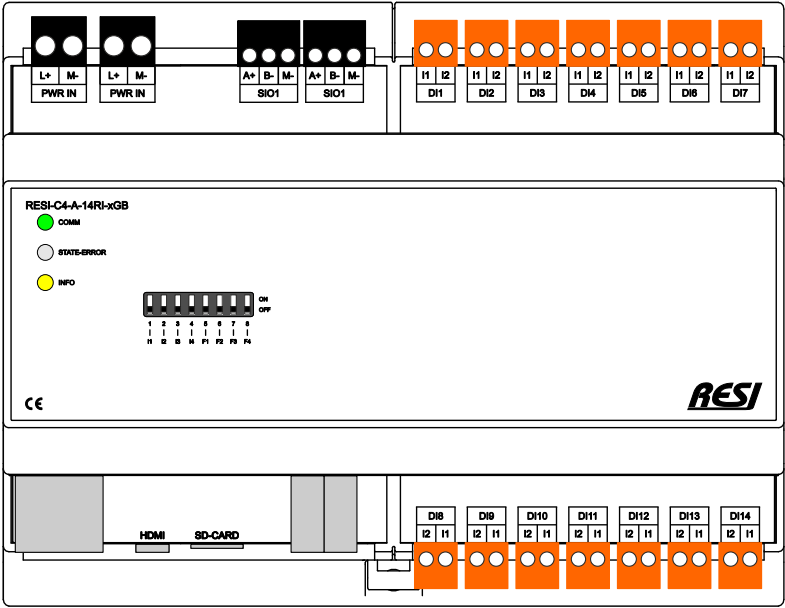
RESI-C4-A-70DI66DO8AIOX-xGB	Raspberry Pi CM4®	XT12 213x110x62mm	70xDI	70 Digital Inputs	LOGIC INPUT 12...48V= ≤1.8mA
		XT12 213x110x62mm	66xDO	66 Digital Outputs	**DIGITAL OUTPUT** ≤30V= ≤700mA Output is shortcut & over heat protected. Organized in 4 group with 15 outputs each and 1 group with 6 outputs each. Each output group is externally supplied. Max. 1.8A power supply for output group.
			8xAIOX Universal analog Inputs or outputs	8 Universal Inputs or Outputs Each channel can be configured to: Analog Input or Analog Output or RTD Sensor Input or Digital Input	**ANALOG INPUTS** 0...10V or 0..20mA or 4..20mA ±0.2% 16 Bit **ANALOG OUTPUTS** 0...10V or 0..20mA or 4..20mA ±0.3% 13 Bit **RTD Sensors** 0...80Ω — 0.5%±0.5 16 Bit 80...200Ω — 0.3% 16 Bit 200...10kΩ — 0.2% 16 Bit 10kΩ...20kΩ — 0.3% 16 Bit 20kΩ...100kΩ — 0.8% 16 Bit 100kΩ...200kΩ — 1.0% 16 Bit 200kΩ...1MΩ — 8.0% 16 Bit **LOGIC INPUT** ≤40V ≤1.8mA DRY CONTACT 0.5...24.5mA

RESI

DETILS

DETAILS

Raspberry Pi is a trademark of the Raspberry Pi Foundation.
More information under www.raspberrypi.org

RESI-C4-A-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.

Raspberry Pi CM4® inside	2/4/8GB RAM	32GB SD CARD	LINUX preinstalled	
ON-WALL Mounting on-wall	XT4 72x110x62mm		1xRS485 integrated	**Functionality** Raspberry PI Compute Module 4® based Controller with preinstalled LINUX® Options for preinstalled CODESYS® runtime
DIN EN 50022 Snap-on for DIN-Rail	12-48V= Power supply	1xHDMI for 4k display	1xEthernet 2xUSB 2.0	

Raspberry Pi is a trademark of the Raspberry Pi Foundation. More information under www.raspberrypi.org

RESI-C4-A-xGB-2E

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 2xEthernet with different MAC-Address, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.

Raspberry Pi CM4® inside	2/4/8GB RAM	32GB SD CARD	LINUX preinstalled	
ON-WALL Mounting on-wall	XT4 72x110x62mm	1xRS485 integrated	2xEthernet 2xUSB 2.0	**Functionality** Raspberry PI Compute Module 4® based Controller with preinstalled LINUX® Options for preinstalled CODESYS® runtime
DIN EN 50022 Snap-on for DIN-Rail	12-48V= Power supply	1xHDMI for 4k display	2 independent Ethernet	Two independent Ethernet interfaces with two MAC addresses for bridging or routing tasks (OpenWrt, OpenVPN, ...)

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More information under www.raspberrypi.org

RESI

RESI-C4-A-14RI-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
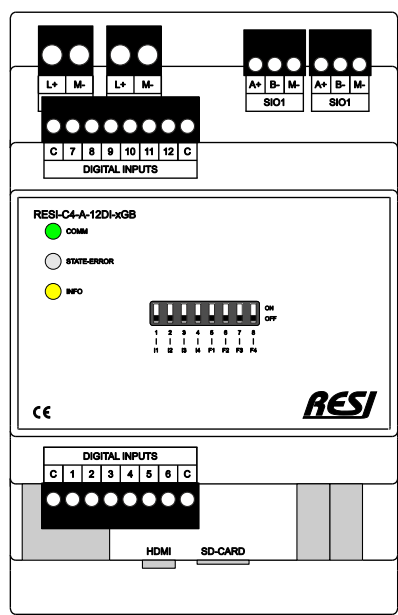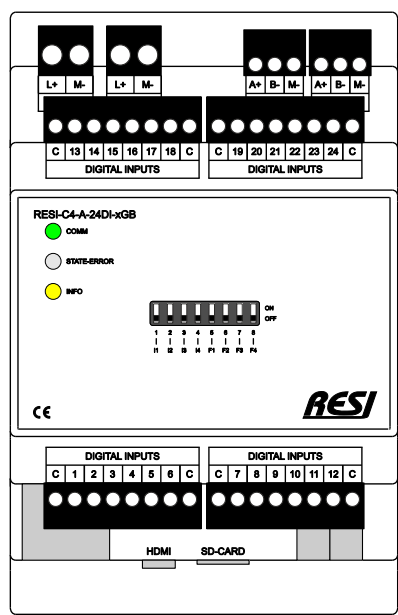The controller offers 14 independent digital inputs for AC or DC signals 12-250V~=

DIN EN 50022 Snap-on for DIN-Rail	ON-WALL Mounting on-wall	Raspberry Pi CM4® inside	XT8 143x110x62mm	12-48V= Power supply

14 Digital Inputs	LOGIC INPUT Each input has its own 2pin plug-in terminal	12...250V~= ≤1.8mA

Functionality
IoT controller with 14 digital inputs for 12-250Vac/dc signals.
Every input with own common contact to use different AC or DC supplies for every input.
All inputs are galvanic-ally insulated from the rest of the module.

RESI

RESI-C4-A-48RI-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi®
Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-
HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
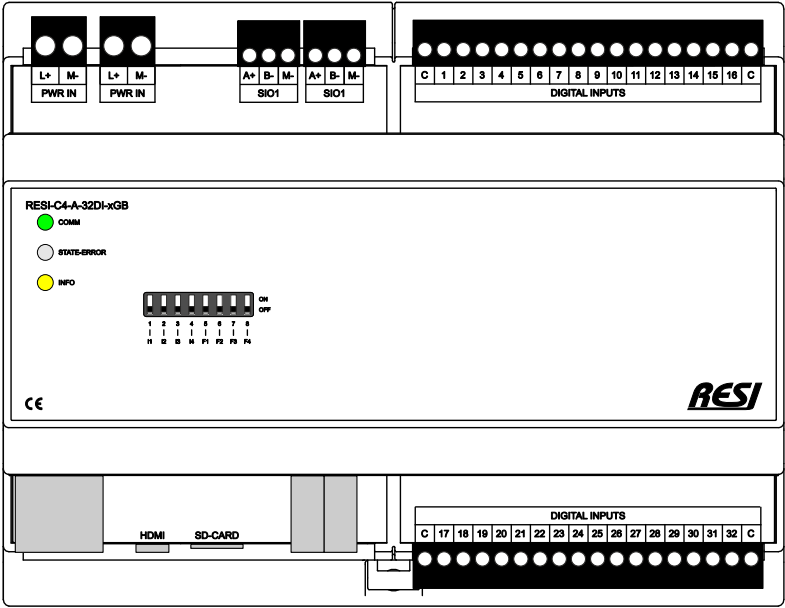The controller offers 48 independent digital inputs for AC or DC signals 12-250V~=

DIN EN 50022	ON-WALL	Raspberry Pi	XT12	12-48V=
Snap-on for DIN-Rail	Mounting on-wall	CM4® inside	213x110x62mm	Power supply

48 Digital Inputs	LOGIC INPUT	
	galvanic insulated common contacts per group	12...250V~= ≤1.8mA

Functionality
IoT controller with 48 digital inputs for 12-250Vac/dc signals.
Inputs are organized in 4 groups with 12 inputs each.
Own common contacts for every group to use different AC or DC supplies for each group.
All inputs are galvanic-ally insulated from the rest of the module.

RESI-C4-A-6DI-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
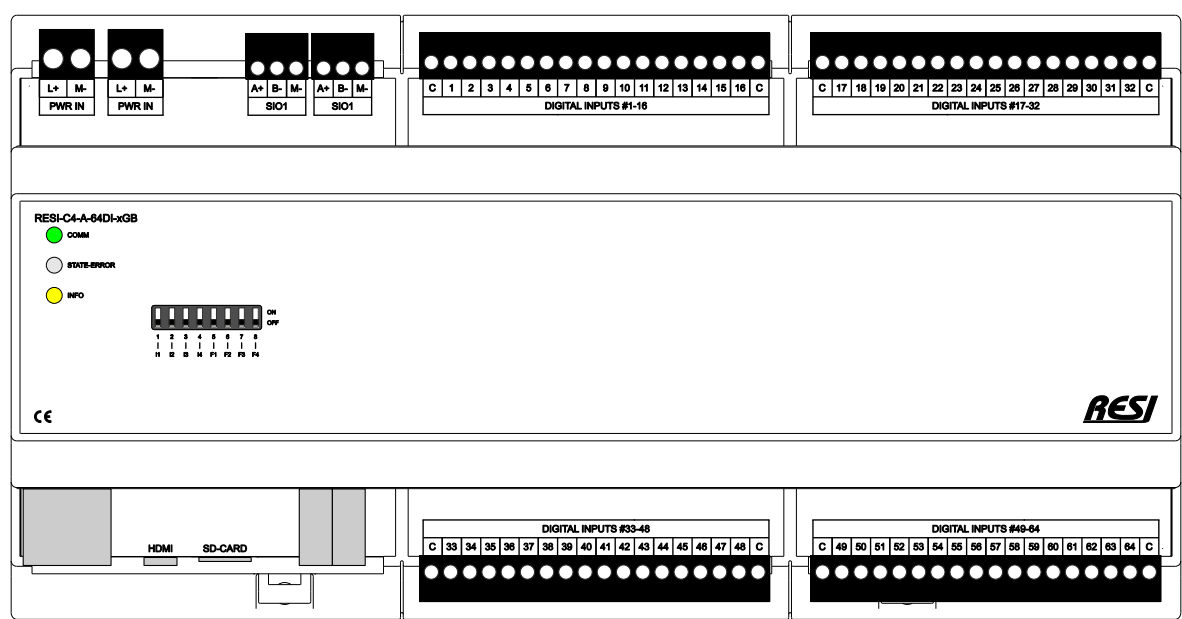The controller offers 6 digital inputs for DC signals 12-48V=

DIN EN 50022 Snap-on for DIN-Rail	ON-WALL Mounting on-wall	Raspberry Pi CM4® inside	XT4 72x110x62mm	12-48V= Power supply

6 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA

Functionality
IoT controller with 6 digital inputs for 12-48Vdc signals.

RESI

RESI-C4-A-12DI-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
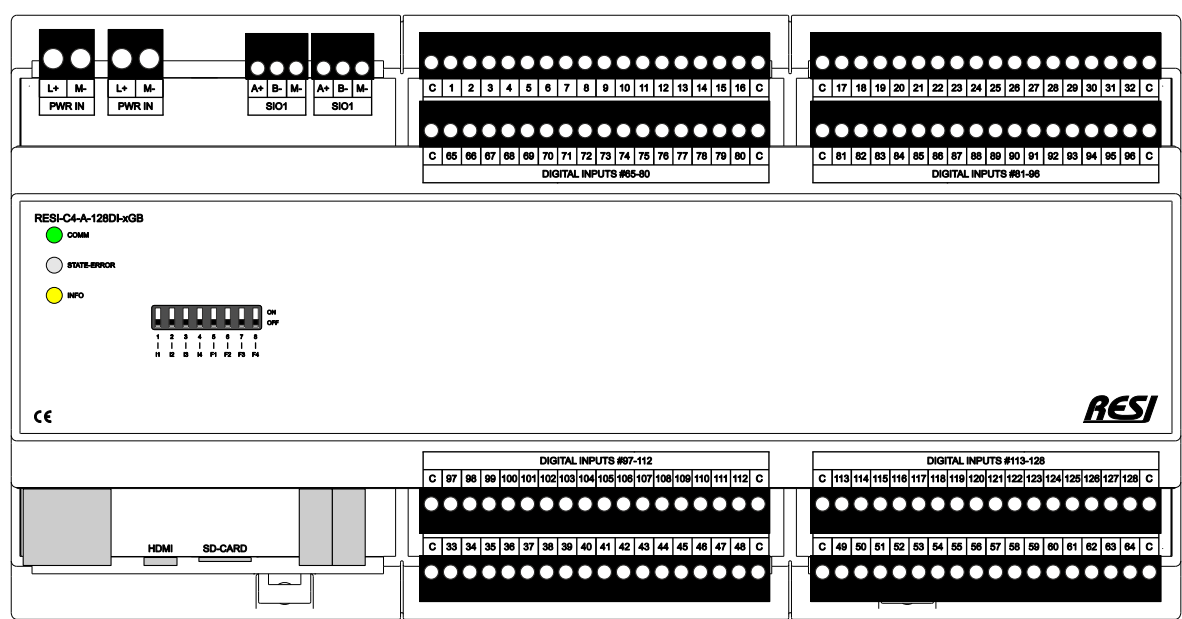The controller offers 12 digital inputs for DC signals 12-48V=

DIN EN 50022	ON-WALL	Raspberry Pi	XT4	12-48V=
Snap-on for DIN-Rail	Mounting on-wall	CM4® inside	72x110x62mm	Power supply

12 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA

Functionality
IoT controller with 12 digital inputs for 12-48Vdc signals.

RESI

RESI-C4-A-24DI-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
The controller offers 24 digital inputs for DC signals 12-48V=

DIN EN 50022	ON-WALL	Raspberry Pi	XT4	12-48V=
Snap-on for DIN-Rail	Mounting on-wall	CM4® inside	72x110x62mm	Power supply

24 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA

Functionality
IoT controller with 24 digital inputs for 12-48Vdc signals.

RESI-C4-A-32DI-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
The controller offers 32 digital inputs for DC signals 12-48V=

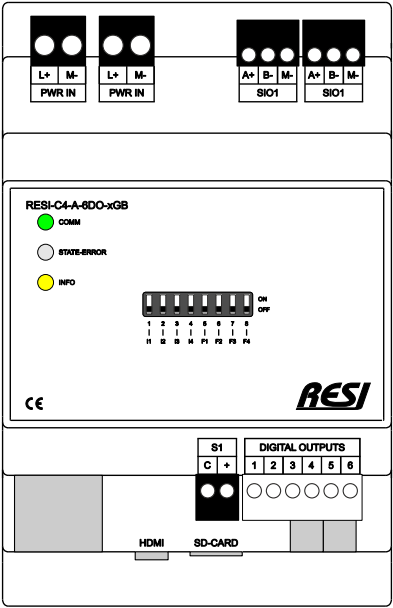| DIN EN 50022 Snap-on for DIN-Rail	ON-WALL Mounting on-wall	Raspberry Pi CM4® inside	XT8 143x110x62mm	12-48V= Power supply

32 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
Functionality IoT controller with 32 digital inputs for 12-48Vdc signals.		

RESI

RESI-C4-A-64DI-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
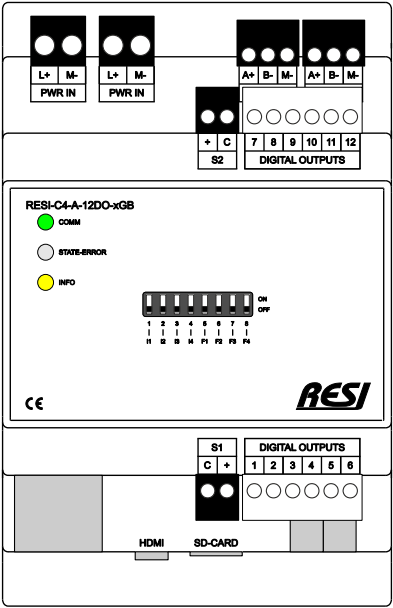The controller offers 64 digital inputs for DC signals 12-48V=

DIN EN 50022	ON-WALL	Raspberry Pi	XT12	12-48V=
Snap-on for DIN-Rail	Mounting on-wall	CM4® inside	213x110x62mm	Power supply

64 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
Functionality IoT controller with 64 digital inputs for 12-48Vdc signals.		

RESI

RESI-C4-A-128DI-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
The controller offers 128 digital inputs for DC signals 12-48V=

DIN EN 50022	ON-WALL	Raspberry Pi	XT12	12-48V=
Snap-on	Mounting on-wall	CM4®	213x110x62mm	Power supply
for DIN-Rail		inside		

128 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA

Functionality
IoT controller with 128 digital inputs for 12-48Vdc signals.

RESI

RESI-C4-A-152DI-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi®
Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-
HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
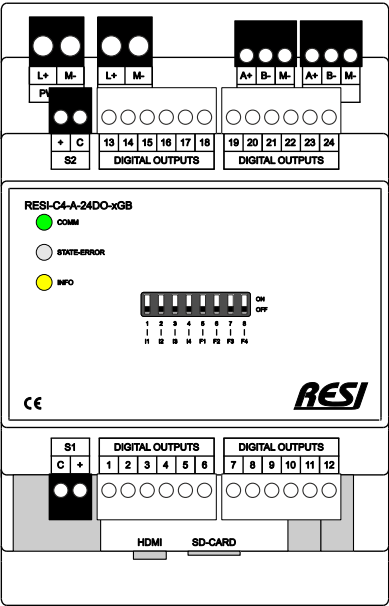The controller offers 152 digital inputs for DC signals 12-48V=
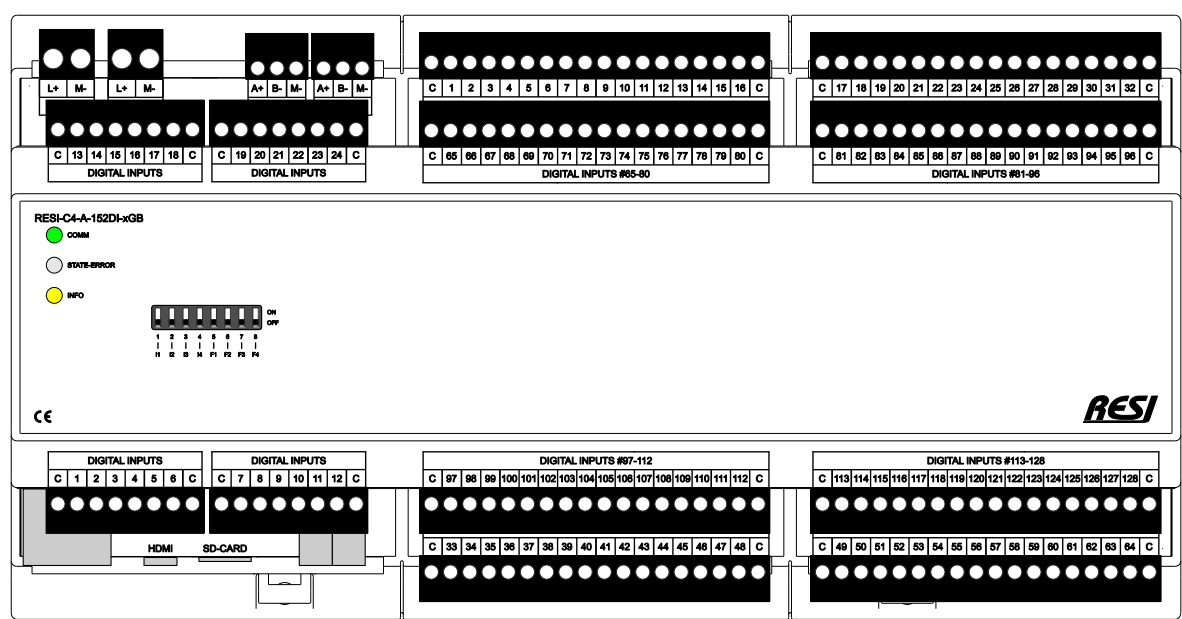
DIN EN 50022	ON-WALL	Raspberry Pi	XT12	12-48V=
Snap-on for DIN-Rail	Mounting on-wall	CM4® inside	213x110x62mm	Power supply

152 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
Functionality IoT controller with 152 digital inputs for 12-48Vdc signals.		

RESI

RESI-C4-A-6DO-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
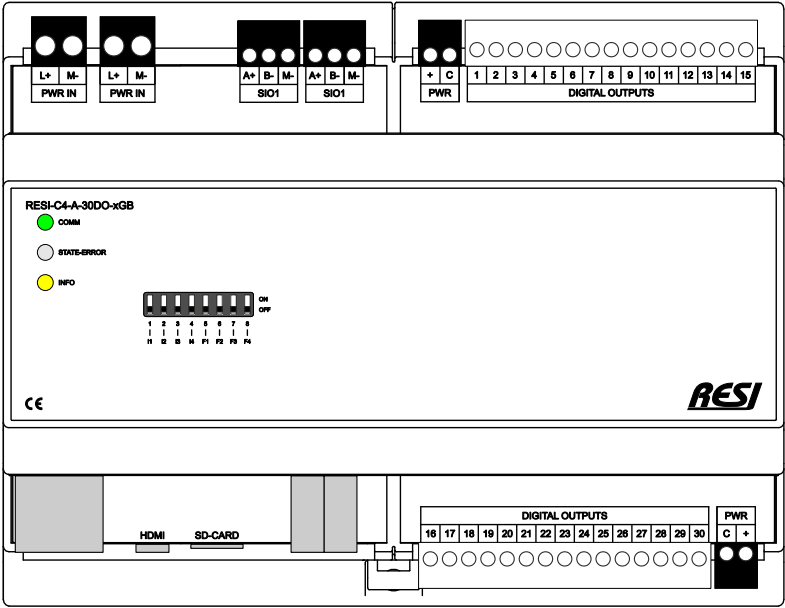The controller offers 6 digital outputs for DC signals ≤30V=.

DIN EN 50022	ON-WALL	Raspberry Pi	XT4	12-48V=
Snap-on for DIN-Rail	Mounting on-wall	CM4® inside	72x110x62mm	Power supply

6 Digital Outputs	DIGITAL OUTPUT	≤30V=
	Output is shortcut & over heat protected. Organized in 1 group with 6 outputs each.	≤700mA
	Each output group is externally supplied. Max. 1.8A power supply for output group.	

Functionality
IoT controller with 6 digital outputs for ≤30Vdc signals.
Each group of 6 outputs has its own power supply connector.
Each output group detects power supply, overheat or short cut error.
All outputs are galvanic-ally insulated from the rest of the module.

RESI

RESI-C4-A-12DO-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
The controller offers 12 digital outputs for DC signals ≤30V=.

DIN EN 50022 Snap-on for DIN-Rail	ON-WALL Mounting on-wall	Raspberry Pi CM4® inside	XT4 72x110x62mm	12-48V= Power supply

12 Digital Outputs	DIGITAL OUTPUT Output is shortcut & over heat protected. Organized in 2 groups with 6 outputs each. Each output group is externally supplied. Max. 1.8A power supply for output group.	≤30V= ≤700mA

Functionality
IoT controller with 12 digital outputs for ≤30Vdc signals.
Each group of 6 outputs has its own power supply connector.
Each output group detects power supply, overheat or short cut error.
All outputs are galvanic-ally insulated from the rest of the module.

RESI

RESI-C4-A-24DO-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi®
Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-
HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
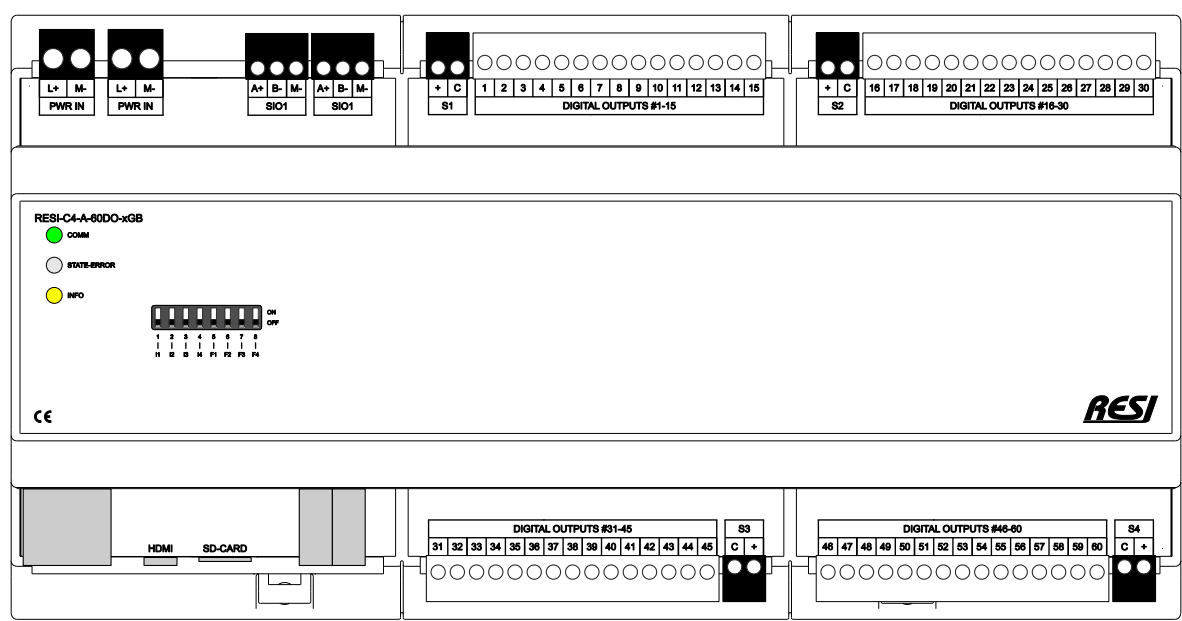The controller offers 24 digital outputs for DC signals ≤30V=.

DIN EN 50022	ON-WALL	Raspberry Pi	XT4	12-48V=
Snap-on for DIN-Rail	Mounting on-wall	CM4® inside	72x110x62mm	Power supply

24 Digital Outputs	DIGITAL OUTPUT	≤30V=
	Output is shortcut & over heat protected. Organized in 2 groups with 12 outputs each.	≤700mA
	Each output group is externally supplied. Max. 1.8A power supply for output group.	

Functionality
IoT controller with 24 digital outputs for ≤30Vdc signals.
Each group of 12 outputs has its own power supply connector.
Each output group detects power supply, overheat or short cut error.
All outputs are galvanic-ally insulated from the rest of the module.

RESI

RESI-C4-A-30DO-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
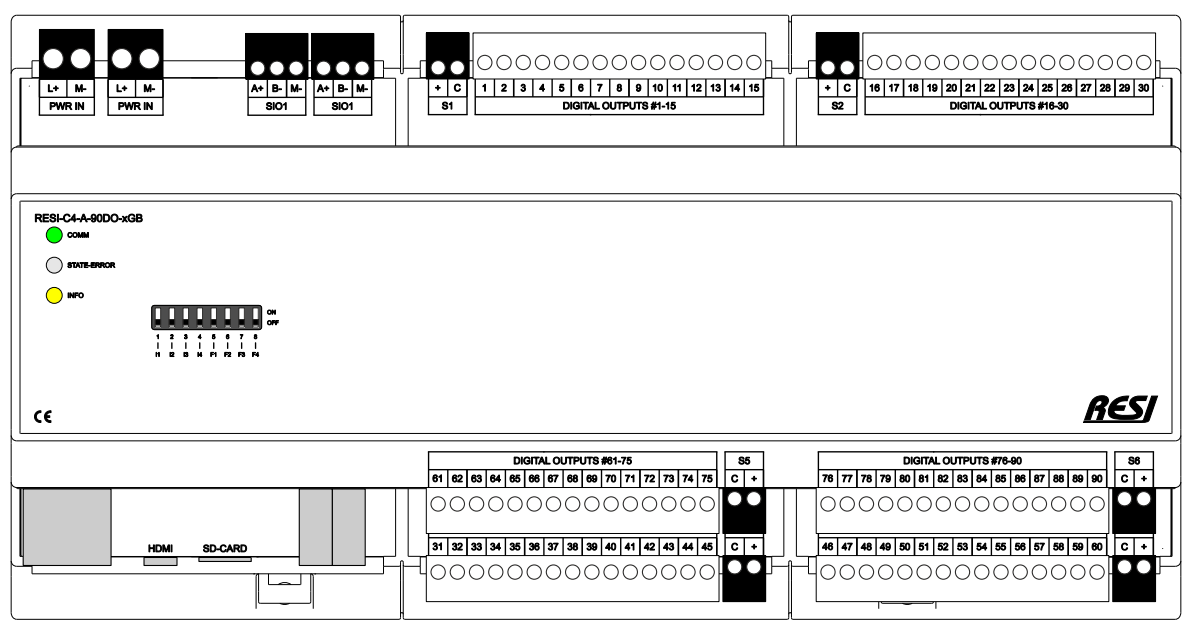The controller offers 30 digital outputs for DC signals ≤30V=.

DIN EN 50022	ON-WALL	Raspberry Pi	XT8	12-48V=
Snap-on for DIN-Rail	Mounting on-wall	CM4® inside	143x110x62mm	Power supply

30 Digital Outputs	DIGITAL OUTPUT	≤30V=
	Output is shortcut & over heat protected. Organized in 2 groups with 15 outputs each. Each output group is externally supplied. Max. 1.8A power supply for output group.	≤700mA

Functionality
IoT controller with 30 digital outputs for ≤30Vdc signals.
Each group of 15 outputs has its own power supply connector.
Each output group detects power supply, overheat or short cut error.
All outputs are galvanic-ally insulated from the rest of the module.

RESI

RESI-C4-A-60DO-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
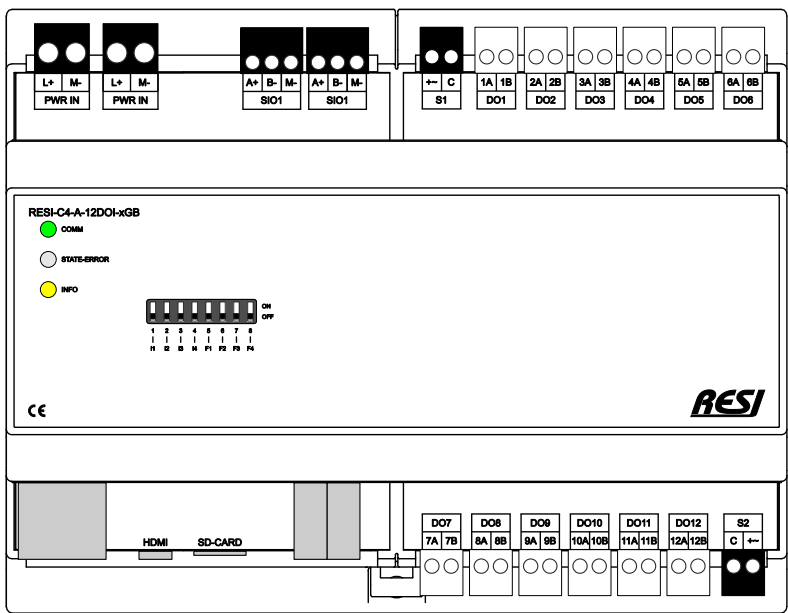The controller offers 60 digital outputs for DC signals ≤30V=.

DIN EN 50022	ON-WALL	Raspberry Pi	XT12	12-48V=
Snap-on for DIN-Rail	Mounting on-wall	CM4® inside	213x110x62mm	Power supply

60 Digital Outputs	DIGITAL OUTPUT	≤30V=
	Output is shortcut & over heat protected. Organized in 4 groups with 15 outputs each.	≤700mA
	Each output group is externally supplied. Max. 1.8A power supply for output group.	

Functionality
IoT controller with 60 digital outputs for ≤30Vdc signals.
Each group of 15 outputs has its own power supply connector.
Each output group detects power supply, overheat or short cut error.
All outputs are galvanic-ally insulated from the rest of the module.

RESI

RESI-C4-A-90DO-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi®
Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
The controller offers 90 digital outputs for DC signals ≤30V=.

DIN EN 50022	ON-WALL	Raspberry Pi	XT12	12-48V=
Snap-on for DIN-Rail	Mounting on-wall	CM4® inside	213x110x62mm	Power supply

90 Digital Outputs	DIGITAL OUTPUT	≤30V=
	Output is shortcut & over heat protected. Organized in 6 groups with 15 outputs each. Each output group is externally supplied. Max. 1.8A power supply for output group.	≤700mA

Functionality
IoT controller with 90 digital outputs for ≤30Vdc signals.
Each group of 15 outputs has its own power supply connector.
Each output group detects power supply, overheat or short cut error.
All outputs are galvanic-ally insulated from the rest of the module.

IO-52

RESI

RESI-C4-A-12DOI-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
The controller offers 12 digital outputs for AC/DC signals ≤30V~= with integrated current measurement.
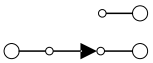
| DIN EN 50022 | ON-WALL | Raspberry Pi | XT8 | 12-48V= |
| Snap-on for DIN-Rail | Mounting on-wall | CM4® inside | 143x110x62mm | Power supply |

12 Digital Outputs	DIGITAL OUTPUT	≤30V~=
	Output is shortcut & over heat protected. Organized in 2 groups with 6 outputs each.	≤700mA
	Each output group is externally supplied. Max. 1.8A power supply for output group.	

Functionality
IoT controller with 12 digital outputs for ≤30Vac/dc signals.
Each group of 6 outputs has its own power supply connector.
Each output group detects power supply, overheat or short cut error.
All outputs are galvanic-ally insulated from the rest of the module.
Additional current measurement for every output channel

RESI

RESI-C4-A-8CO-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
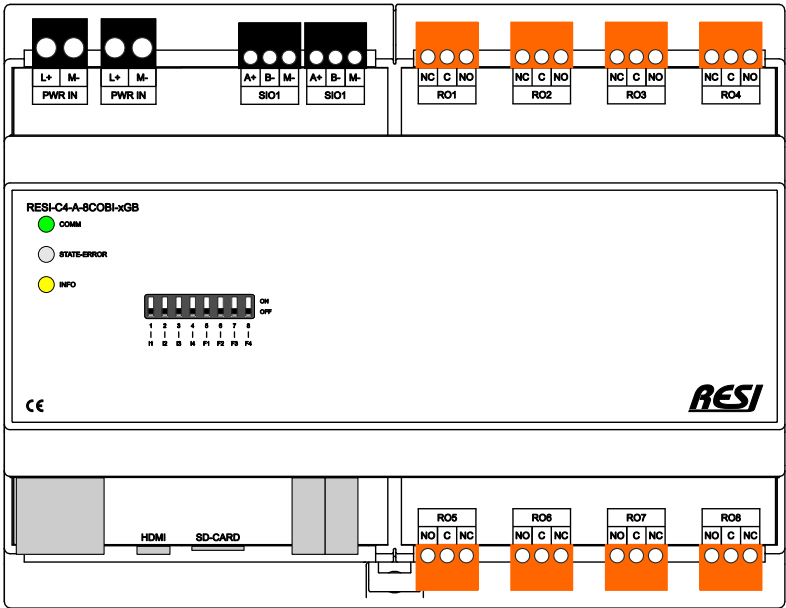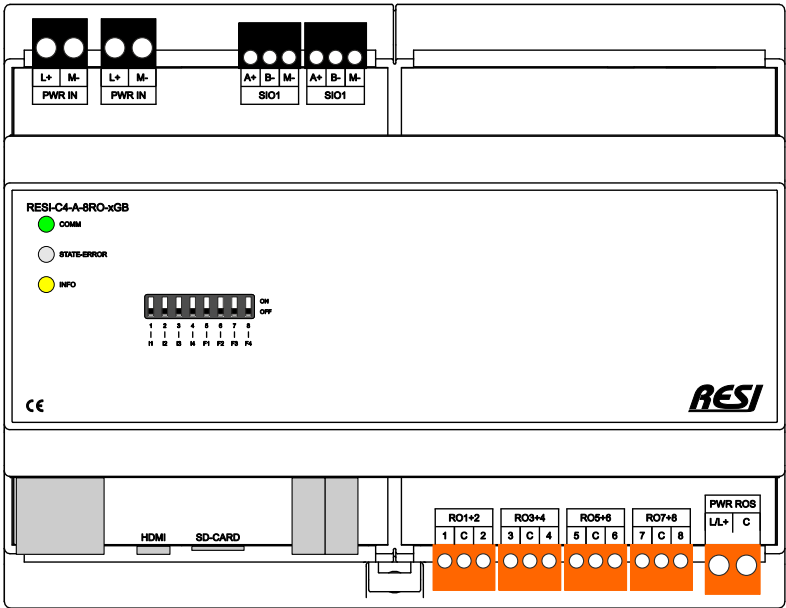The controller offers 8 Form C relay outputs for AC/DC signals.

| DIN EN 50022 | ON-WALL | Raspberry Pi | XT8 | 12-48V= | 8xFormC | |
| Snap-on for DIN-Rail | Mounting on-wall | CM4® inside | 143x110x62mm | Power supply | | |

8 Relay Outputs	RELAY OUTPUT Form C	≤30V= ≤250V~ ≤8A AgSnO$_2$

Functionality
IoT controller with 8 relay outputs for switching AC or DC signals.

RESI-C4-A-8COBI-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
The controller offers 8 bistable Form C relay outputs for AC/DC signals.

DIN EN 50022	ON-WALL	Raspberry Pi CM4®	XT8	12-48V=	8x
Snap-on for DIN-Rail	Mounting on-wall	inside	143x110x62mm	Power supply	bistable FormC

8 Bistable Relay Outputs	RELAY OUTPUT bistable Form C relays	≤30V= ≤250V~ ≤8A AgSnO$_2$

Functionality
IoT controller with 8 bistable relay outputs for switching AC or DC signals.

RESI

RESI-C4-A-8RO-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi®
Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-
HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
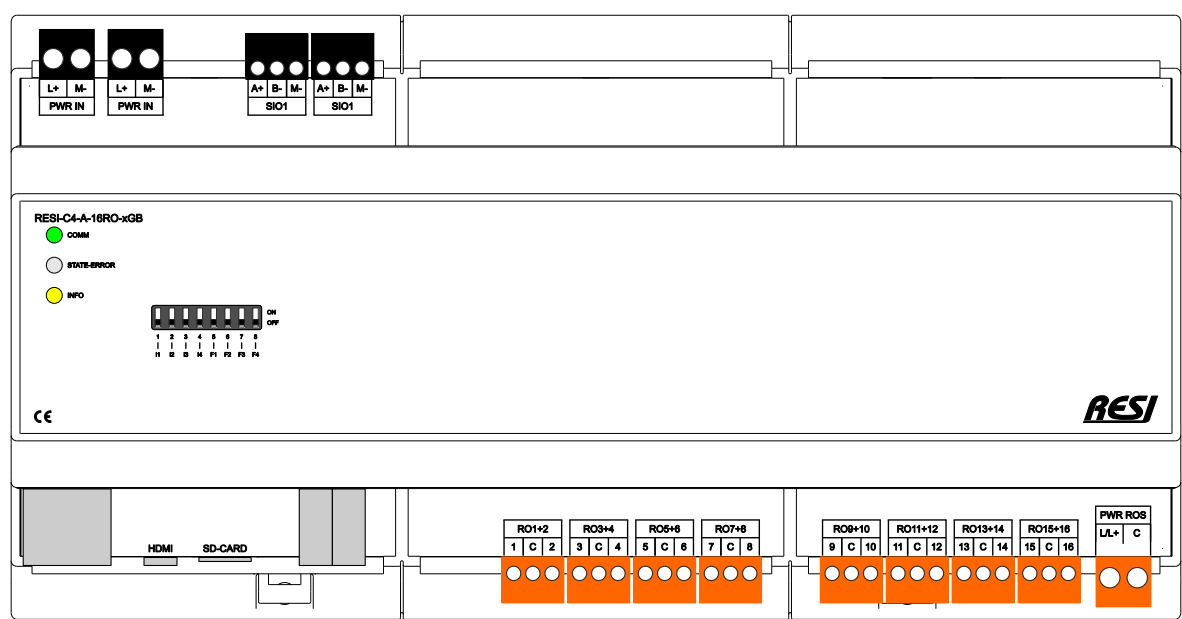The controller offers 8 Form A relay outputs for AC/DC signals with common power supply+root contacts.

DIN EN 50022 Snap-on for DIN-Rail	ON-WALL Mounting on-wall	Raspberry Pi CM4® inside	XT8 143x110x62mm	12-48V= Power supply	8xFormA common power	

8 Relay Outputs	RELAY OUTPUT Form A relays with common supply+root	≤30V= ≤250V~ ≤6A $AgSnO_2$

Functionality
IoT controller with 8 relay outputs for switching AC or DC signals.
All 8 relay outputs have a common power supply terminal.

RESI

RESI-C4-A-12RO-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
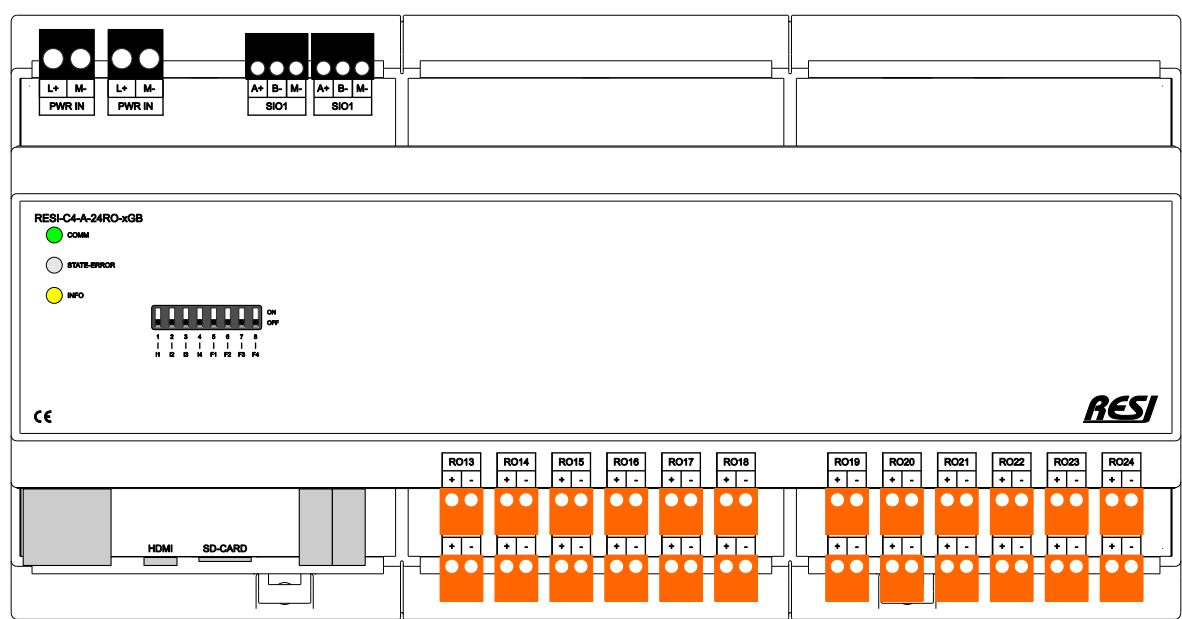The controller offers 12 Form A relay outputs for AC/DC signals.

DIN EN 50022	ON-WALL	Raspberry Pi	XT12	12-48V=	12xFormA	
Snap-on for DIN-Rail	Mounting on-wall	CM4® inside	213x110x62mm	Power supply		

12 Relay Outputs	RELAY OUTPUT	≤30V=
	Form A relays	≤250V~
		≤6A
		AgSnO$_2$

Functionality
IoT controller with 12 relay outputs for switching AC or DC signals.

RESI

RESI-C4-A-16RO-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi®
Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-
HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
The controller offers 16 Form A relay outputs for AC/DC signals with common power supply+root contacts.

DIN EN 50022	ON-WALL	Raspberry Pi CM4®	XT12	12-48V=	16xFormA	
Snap-on for DIN-Rail	Mounting on-wall	inside	213x110x62mm	Power supply	common power	

16 Relay Outputs	RELAY OUTPUT Form A relays with common supply+root	≤30V= ≤250V~ ≤6A AgSnO₂

Functionality
IoT controller with 16 relay outputs for switching AC or DC signals.
All 16 relay outputs have a common power supply terminal.

RESI

RESI-C4-A-24RO-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi®
Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-
HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
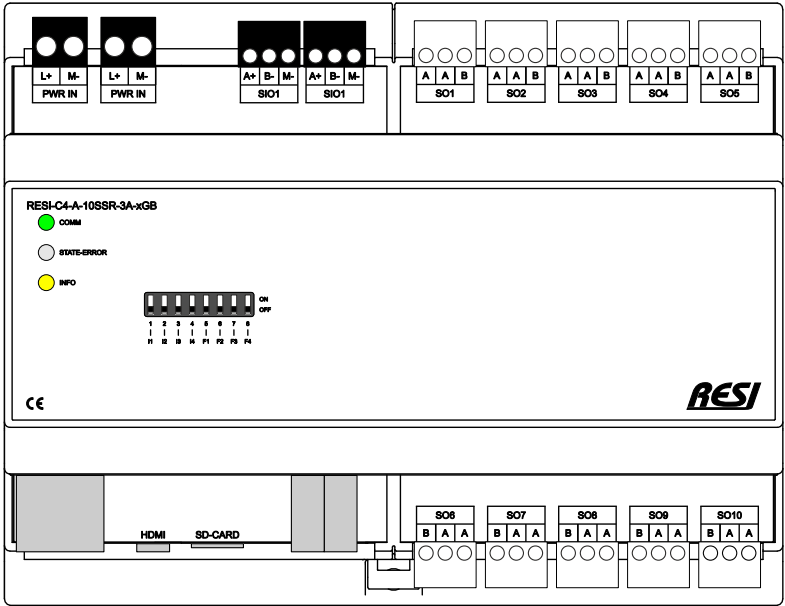The controller offers 24 Form A relay outputs for AC/DC signals.

| DIN EN 50022 | ON-WALL | Raspberry Pi | XT12 | 12-48V= | 24xFormA | |
| Snap-on for DIN-Rail | Mounting on-wall | CM4® inside | 213x110x62mm | Power supply | | |

24 Relay Outputs	RELAY OUTPUT	≤30V=
	Form A relays	≤250V~
		≤6A
		AgSnO$_2$

Functionality
IoT controller with 24 relay outputs for switching AC or DC signals.

RESI-C4-A-10SSR-xA-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available. The controller offers 10 solid state relay outputs with Form A solid state relays.
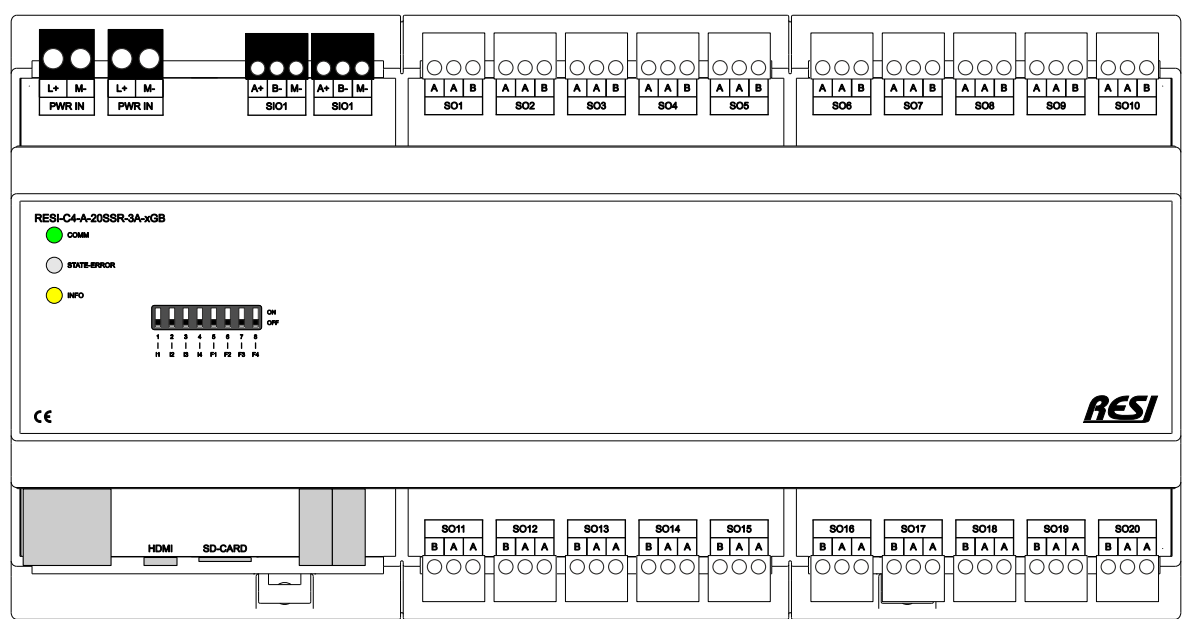

DIN EN 50022 Snap-on for DIN-Rail	ON-WALL Mounting on-wall	Raspberry Pi CM4® inside	XT8 143x110x62mm	12-48V= Power supply	10xFormA	

10 Solid State Outputs	SOLID STATE OUTPUT 10xForm A	≤230V~= ≤1A or ≤60V~= ≤3A or ≤60V~= ≤6A

Functionality
IoT controller with 10 solid state outputs for switching AC or DC signals.
Three variants:
RESI-10SSR-1A-xxx: Solid state relais with ≤230V~=, ≤1A
RESI-10SSR-3A-xxx: Solid state relais with ≤60V~=, ≤3A
RESI-10SSR-6A-xxx: Solid state relais with ≤60V~=, ≤6A

RESI

RESI-C4-A-20SSR-xA-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
The controller offers 20 solid state relay outputs with Form A solid state relays.
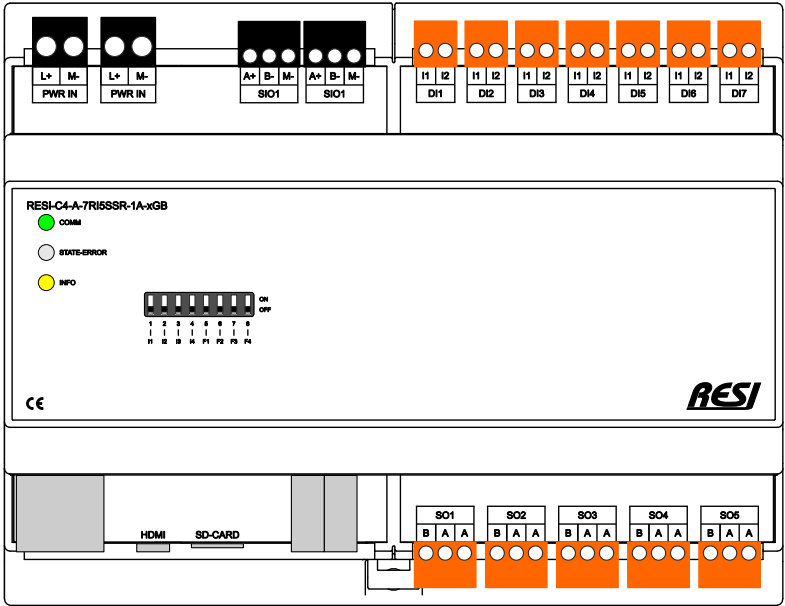

| DIN EN 50022 | ON-WALL | Raspberry Pi | XT12 | 12-48V= | 20xFormA | |
| Snap-on for DIN-Rail | Mounting on-wall | CM4® inside | 213x110x62mm | Power supply | | |

20 Solid State Outputs	SOLID STATE OUTPUT 20xForm A	≤230V~= ≤1A or ≤60V~= ≤3A or ≤60V~= ≤6A

Functionality
IoT controller with 20 solid state outputs for switching AC or DC signals.
Three variants:
RESI-20SSR-1A-xxx: Solid state relais with ≤230V~=, ≤1A
RESI-20SSR-3A-xxx: Solid state relais with ≤60V~=, ≤3A
RESI-20SSR-6A-xxx: Solid state relais with ≤60V~=, ≤6A

RESI

RESI-C4-A-7RI5SSR-xA-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
The controller offers 7 independent digital inputs for AC or DC signals 12-250V~= and
5 solid state relay outputs with Form A solid state relays.

DIN EN 50022 Snap-on for DIN-Rail	ON-WALL Mounting on-wall	Raspberry Pi CM4® inside	XT8 143x110x62mm	12-48V= Power supply	5xFormA	

7 Digital Inputs	LOGIC INPUT Each input has its own 2pin plug-in terminal	12...250V~= ≤1.8mA
5 Solid State Outputs	SOLID STATE OUTPUT 5xForm A	≤230V~= ≤1A or ≤60V~= ≤3A or ≤60V~= ≤6A

Functionality

IoT controller with 7 digital inputs for 12-250Vac/dc signals and 5 solid state outputs for switching AC or DC signals. Every input with own common contact to use different AC or DC supplies for every input.
RESI-7RI5SSR-1A-xxx: Solid state relais with ≤230V~=, ≤1A
RESI-7RI5SSR-3A-xxx: Solid state relais with ≤60V~=, ≤3A
RESI-7RI5SSR-6A-xxx: Solid state relais with ≤60V~=, ≤6A

RESI-C4-A-14RI10SSR-xA-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
The controller offers 14 independent digital inputs for AC or DC signals 12-250V~= and
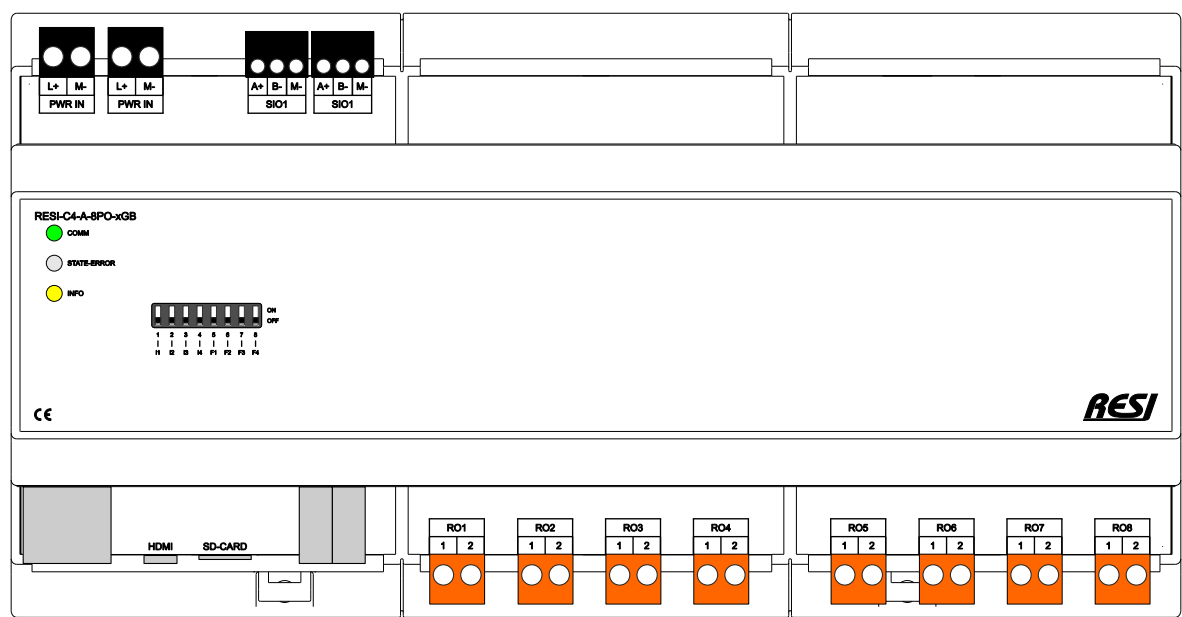10 solid state relay outputs with Form A solid state relays.

| DIN EN 50022 Snap-on for DIN-Rail | ON-WALL Mounting on-wall | Raspberry Pi CM4® inside | XT12 213x110x62mm | 12-48V= Power supply | 10xFormA | |

14 Digital Inputs	LOGIC INPUT Each input has its own 2pin plug-in terminal	12...250V~= ≤1.8mA
10 Solid State Outputs	SOLID STATE OUTPUT 10xForm A	≤230V~= ≤1A or ≤60V~= ≤3A or ≤60V~= ≤6A

Functionality

IoT controller with 14 digital inputs for 12-250Vac/dc signals and 10 solid state
outputs for switching AC or DC signals. Every input with own common contact to use different
AC or DC supplies for every input.
RESI-14RI10SSR-1A-xxx: Solid state relais with ≤230V~=, ≤1A
RESI-14RI10SSR-3A-xxx: Solid state relais with ≤60V~=, ≤3A
RESI-14RI10SSR-6A-xxx: Solid state relais with ≤60V~=, ≤6A

RESI

RESI-C4-A-8PO-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
The controller offers 8 bistable power relay outputs with manual override for AC and DC signals.

| DIN EN 50022 | ON-WALL | Raspberry Pi | XT12 | 12-48V= | 8xFormA | |
| Snap-on for DIN-Rail | Mounting on-wall | CM4® inside | 213x110x62mm | Power supply | Manual override | |

8 bistable Power Relay Outputs	BISTABLE RELAY OUTPUT Form A	≤30V= ≤250V~ ≤16A ≤200µF AgSnO₂

Functionality
IoT controller with 8 bistable power relay outputs for switching AC or DC signals especially for capacitive loads.

RESI-C4-A-16RI8PO-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
The controller offers 16 digital inputs for AC and DC signals 12-250V~= and
8 bistable power relay outputs with manual override for AC and DC signals.

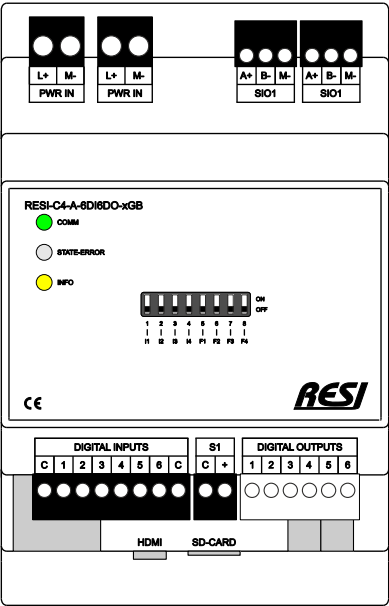| DIN EN 50022	ON-WALL	Raspberry Pi CM4®	XT12	12-48V=	8xFormA	
Snap-on for DIN-Rail	Mounting on-wall	inside	213x110x62mm	Power supply	Manual override	

16 Digital Inputs	LOGIC INPUT galvanic insulated common contacts per group	12...250V~= ≤1.8mA
8 bistable Power Relay Outputs	BISTABLE RELAY OUTPUT Form A	≤30V= ≤250V~ ≤16A ≤200µF AgSnO₂

Functionality

IoT controller with 16 digital inputs for 12-250Vac/dc signals and 8 bistable power relay outputs for switching AC or DC signals especially for capacitive loads.

Inputs are organized in 2 groups with 8 inputs each.
Own common contacts for every group to use different AC or DC supplies for each group.
All inputs are galvanic-ally insulated from the rest of the module.

RESI-C4-A-6DI6DO-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
The controller offers 6 digital inputs for DC signals 12-48V= and 6 digital outputs for DC signals ≤30V=.
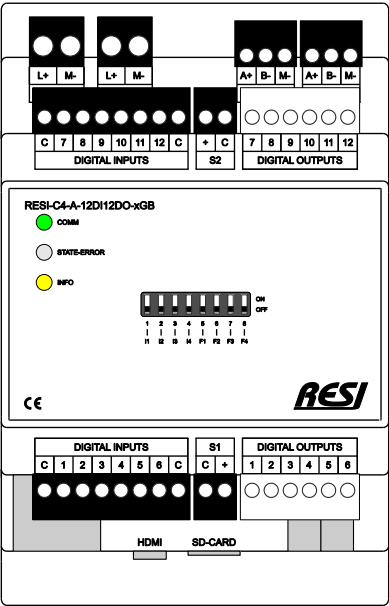

DIN EN 50022 Snap-on for DIN-Rail	ON-WALL Mounting on-wall	Raspberry Pi CM4® inside	XT4 72x110x62mm	12-48V= Power supply

6 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
6 Digital Outputs	DIGITAL OUTPUT Output is shortcut & over heat protected. Organized in 1 group with 6 outputs each. Each output group is externally supplied. Max. 1.8A power supply for output group.	≤30V= ≤700mA

Functionality
IoT controller with 6 digital inputs for 12-48Vdc signals and 6 digital outputs for ≤30Vdc signals.
Each group of 6 outputs has its own power supply connector.
Each output group detects power supply, overheat or short cut error.
All outputs are galvanic-ally insulated from the rest of the module.

RESI

RESI-C4-A-12DI12DO-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
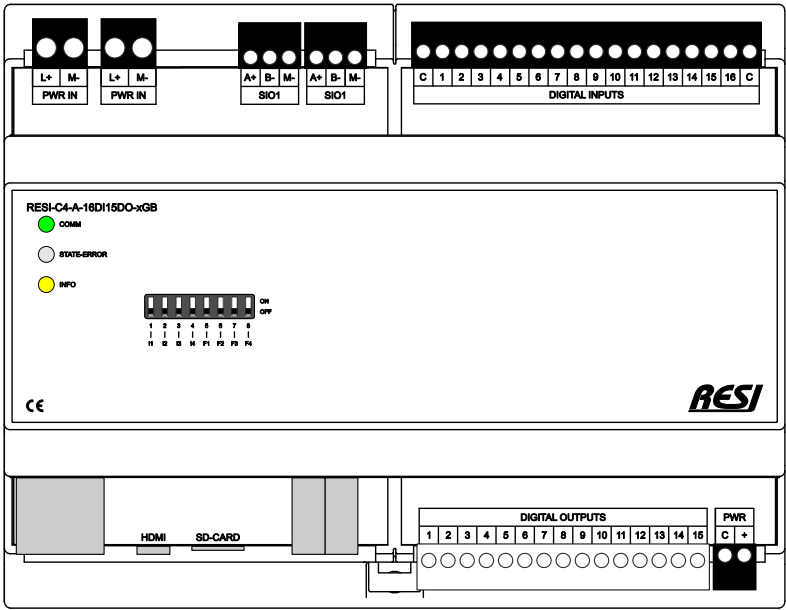The controller offers 12 digital inputs for DC signals 12-48V= and 12 digital outputs for DC signals ≤30V=.

DIN EN 50022 Snap-on for DIN-Rail	ON-WALL Mounting on-wall	Raspberry Pi CM4® inside	XT4 72x110x62mm	12-48V= Power supply

12 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
12 Digital Outputs	DIGITAL OUTPUT Output is shortcut & over heat protected. Organized in 2 groups with 6 outputs each. Each output group is externally supplied. Max. 1.8A power supply for output group.	≤30V= ≤700mA

Functionality
IoT controller with 12 digital inputs for 12-48Vdc signals
and 12 digital outputs for ≤30Vdc signals.
Each group of 6 outputs has its own power supply connector.
Each output group detects power supply, overheat or short cut error.
All outputs are galvanic-ally insulated from the rest of the module.

RESI

RESI-C4-A-16DI15DO-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
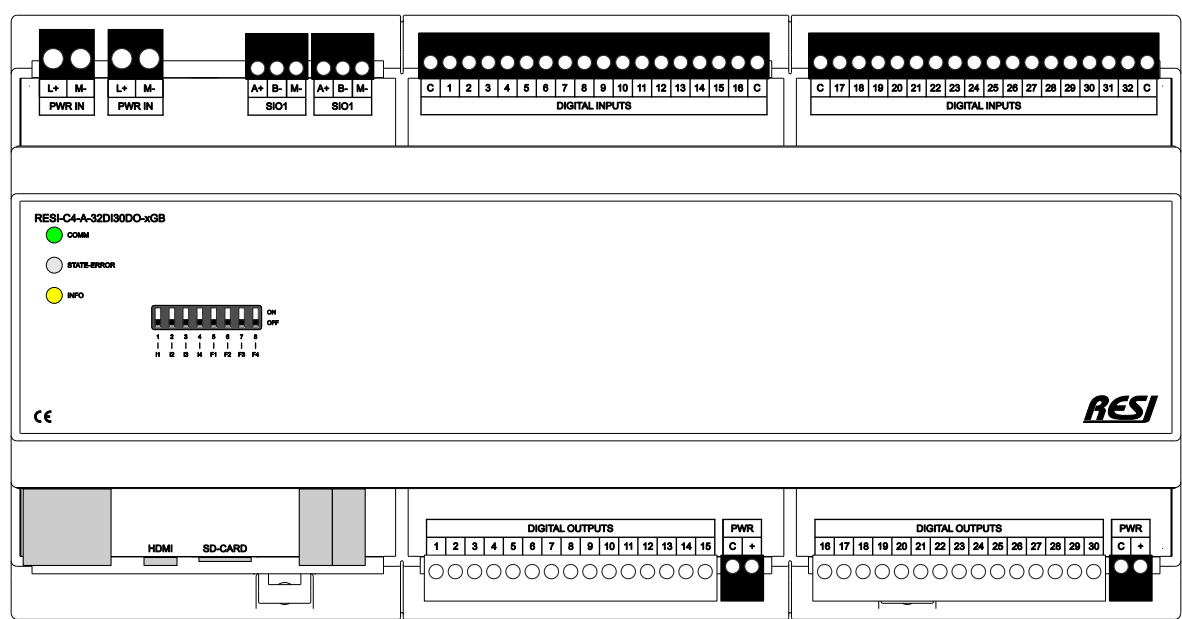The controller offers 16 digital inputs for DC signals 12-48V= and 15 digital outputs for DC signals ≤30V=.

DIN EN 50022	ON-WALL	Raspberry Pi	XT8	12-48V=
Snap-on for DIN-Rail	Mounting on-wall	CM4® inside	143x110x62mm	Power supply

16 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
15 Digital Outputs	DIGITAL OUTPUT Output is shortcut & over heat protected. Organized in 1 group with 15 outputs each. Each output group is externally supplied. Max. 1.8A power supply for output group.	≤30V= ≤700mA

Functionality
IoT controller with 16 digital inputs for 12-48Vdc signals
and 15 digital outputs for ≤30Vdc signals.
Each group of 15 outputs has its own power supply connector.
Each output group detects power supply, overheat or short cut error.
All outputs are galvanic-ally insulated from the rest of the module.

RESI

RESI-C4-A-32DI30DO-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
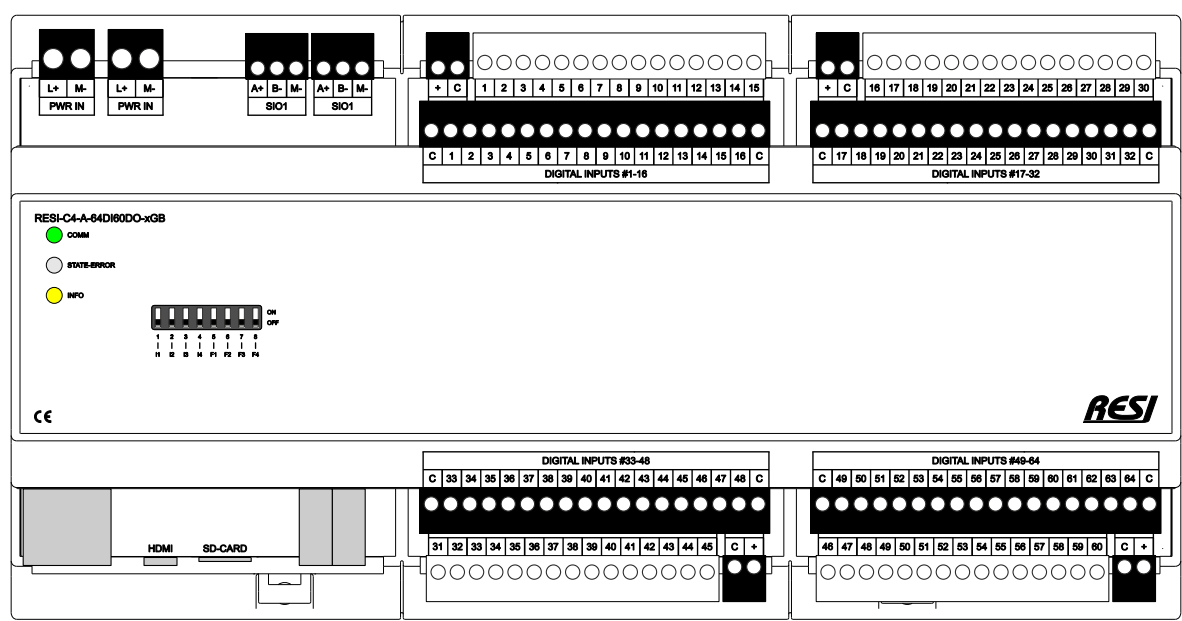The controller offers 32 digital inputs for DC signals 12-48V= and 30 digital outputs for DC signals ≤30V=.

DIN EN 50022	ON-WALL	Raspberry Pi	XT12	12-48V=
Snap-on for DIN-Rail	Mounting on-wall	CM4® inside	213x110x62mm	Power supply

32 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
30 Digital Outputs	DIGITAL OUTPUT Output is shortcut & over heat protected. Organized in 2 groups with 15 outputs each. Each output group is externally supplied. Max. 1.8A power supply for output group.	≤30V= ≤700mA

Functionality
IoT controller with 32 digital inputs for 12-48Vdc signals
and 30 digital outputs for ≤30Vdc signals.
Each group of 15 outputs has its own power supply connector.
Each output group detects power supply, overheat or short cut error.
All outputs are galvanic-ally insulated from the rest of the module.

RESI-C4-A-64DI60DO-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi®
Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-
HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
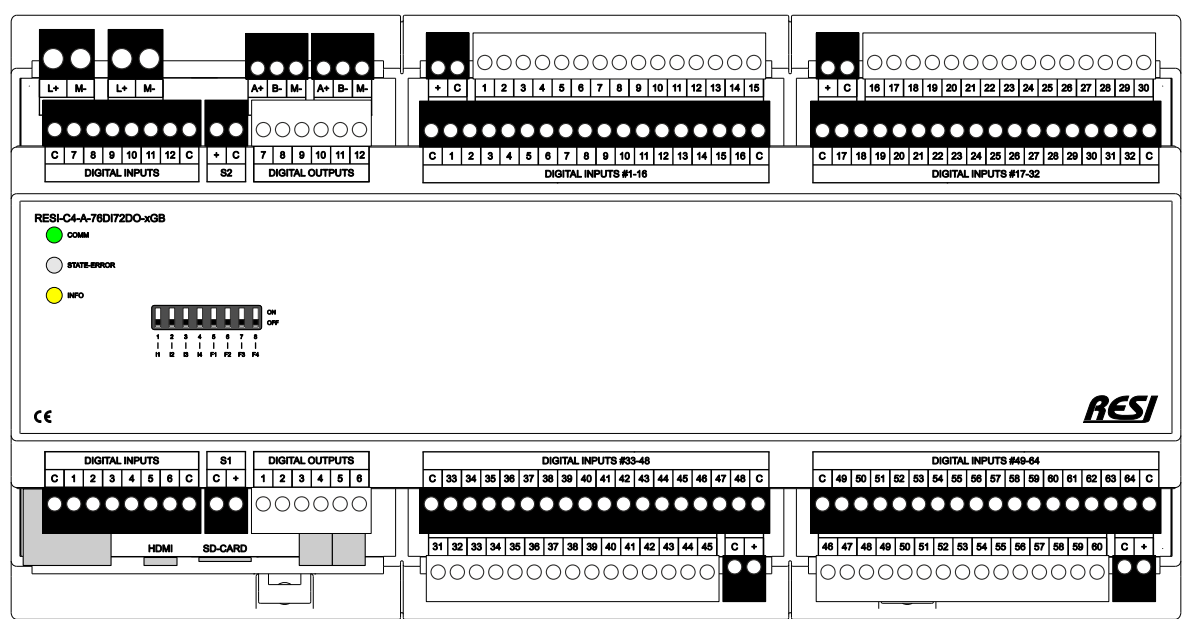The controller offers 64 digital inputs for DC signals 12-48V= and 60 digital outputs for DC signals ≤30V=.

DIN EN 50022	ON-WALL	Raspberry Pi	XT12	12-48V=
Snap-on for DIN-Rail	Mounting on-wall	CM4® inside	213x110x62mm	Power supply

64 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
60 Digital Outputs	**DIGITAL OUTPUT** Output is shortcut & over heat protected. Organized in 4 groups with 15 outputs each. Each output group is externally supplied. Max. 1.8A power supply for output group.	≤30V= ≤700mA

Functionality
IoT controller with 64 digital inputs for 12-48Vdc signals
and 60 digital outputs for ≤30Vdc signals.
Each group of 15 outputs has its own power supply connector.
Each output group detects power supply, overheat or short cut error.
All outputs are galvanic-ally insulated from the rest of the module.

RESI

RESI-C4-A-76DI72DO-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
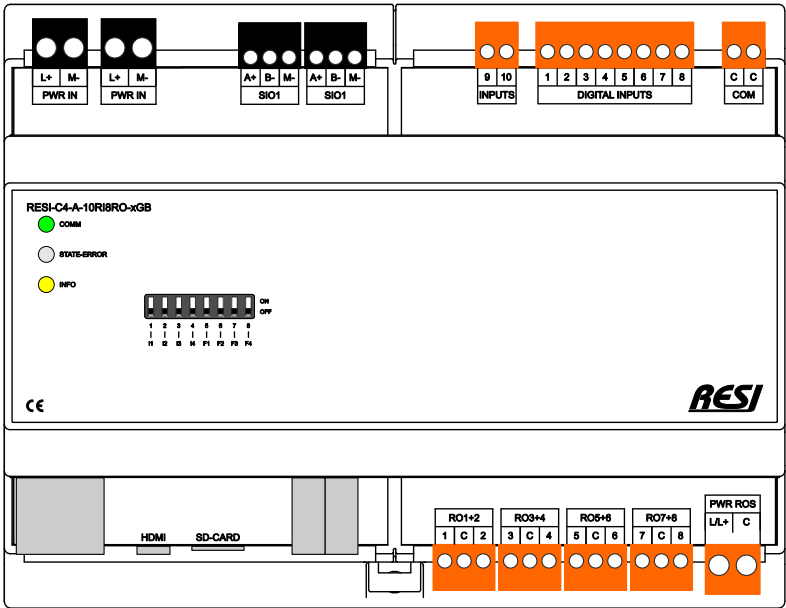The controller offers 76 digital inputs for DC signals 12-48V= and 72 digital outputs for DC signals ≤30V=.

DIN EN 50022	ON-WALL	Raspberry Pi	XT12	12-48V=
Snap-on for DIN-Rail	Mounting on-wall	CM4® inside	213x110x62mm	Power supply

76 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
72 Digital Outputs	DIGITAL OUTPUT Output is shortcut & over heat protected. Organized in 4 groups with 15 outputs each and 2 groups with 6 outputs each. Each output group is externally supplied. Max. 1.8A power supply for output group.	≤30V= ≤700mA

Functionality
IoT controller with 76 digital inputs for 12-48Vdc signals
and 72 digital outputs for ≤30Vdc signals.
Each group of outputs has its own power supply connector.
Each output group detects power supply, overheat or short cut error.
All outputs are galvanic-ally insulated from the rest of the module.

RESI

RESI-C4-A-10RI8RO-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
The controller offers 10 digital inputs for AC or DC signals 12-250V~= and
8 Form A relay outputs for AC/DC signals with common power supply+root contacts.

| DIN EN 50022 Snap-on for DIN-Rail | ON-WALL Mounting on-wall | Raspberry Pi CM4® inside | XT8 143x110x62mm | 12-48V= Power supply | 8xFormA common power | |

10 Digital Inputs	LOGIC INPUT All inputs use same power supply	12...250V~= ≤1.8mA
8 Relay Outputs	RELAY OUTPUT Form A relays with common supply+root	≤30V= ≤250V~ ≤6A AgSnO$_2$

Functionality
IoT controller with 10 digital inputs for 12-250Vac/dc signals and
8 relay outputs for switching AC or DC signals.
All inputs use same common contact for a common AC or DC power supply.
All inputs are galvanic-ally insulated from the rest of the module.
All 8 relay outputs have a common power supply terminal.

RESI

RESI-C4-A-20RI16RO-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi®
Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
The controller offers 20 digital inputs for AC or DC signals 12-250V~= and
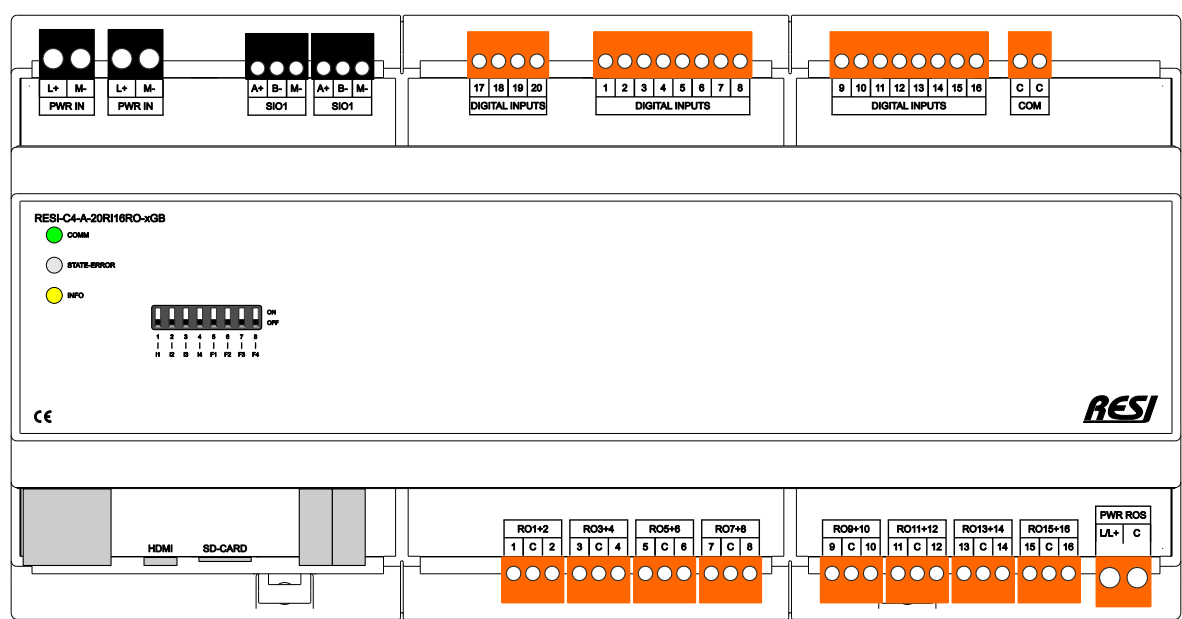16 Form A relay outputs for AC/DC signals with common power supply+root contacts.

DIN EN 50022 Snap-on for DIN-Rail	ON-WALL Mounting on-wall	Raspberry Pi CM4® inside	XT12 213x110x62mm	12-48V= Power supply	16xFormA common power	

20 Digital Inputs	LOGIC INPUT All inputs use same power supply	12...250V~= ≤1.8mA
16 Relay Outputs	RELAY OUTPUT Form A relays with common supply+root	≤30V= ≤250V~ ≤6A $AgSnO_2$

Functionality

IoT controller with 20 digital inputs for 12-250Vac/dc signals and
16 relay outputs for switching AC or DC signals.
All inputs use same common contact for a common AC or DC power supply.
All inputs are galvanic-ally insulated from the rest of the module.
All 16 relay outputs have a common power supply terminal.

RESI

RESI-C4-A-32DI12RO-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi®
Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-
HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
The controller offers 32 digital inputs for DC signals 12-48V= and 12 Form A relay outputs for AC/DC signals.
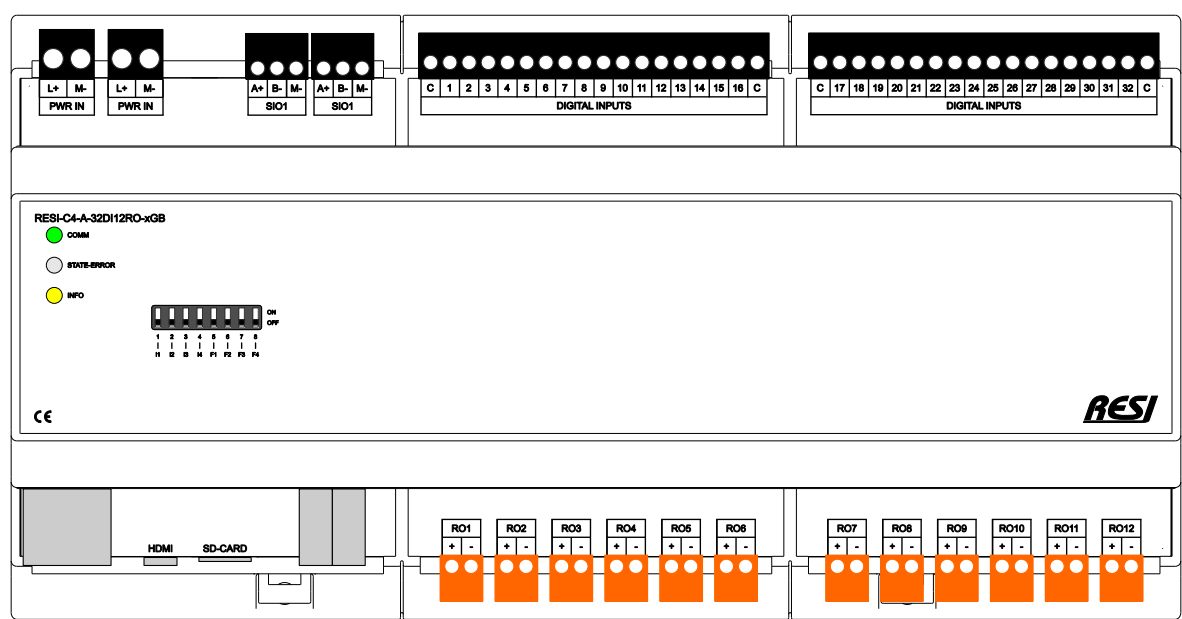

DIN EN 50022 Snap-on for DIN-Rail	ON-WALL Mounting on-wall	Raspberry Pi CM4® inside	XT12 213x110x62mm	12-48V= Power supply	12xFormA	

32 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
12 Relay Outputs	RELAY OUTPUT Form A relays	≤30V= ≤250V~ ≤6A AgSnO$_2$

Functionality
IoT controller with 32 digital inputs for 12-48Vdc signals.
and 12 relay outputs for switching AC or DC signals.
All inputs use same common contact for a common DC power supply.
All relay outputs are separated with its own root contact.

RESI

RESI-C4-A-32DI24RO-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
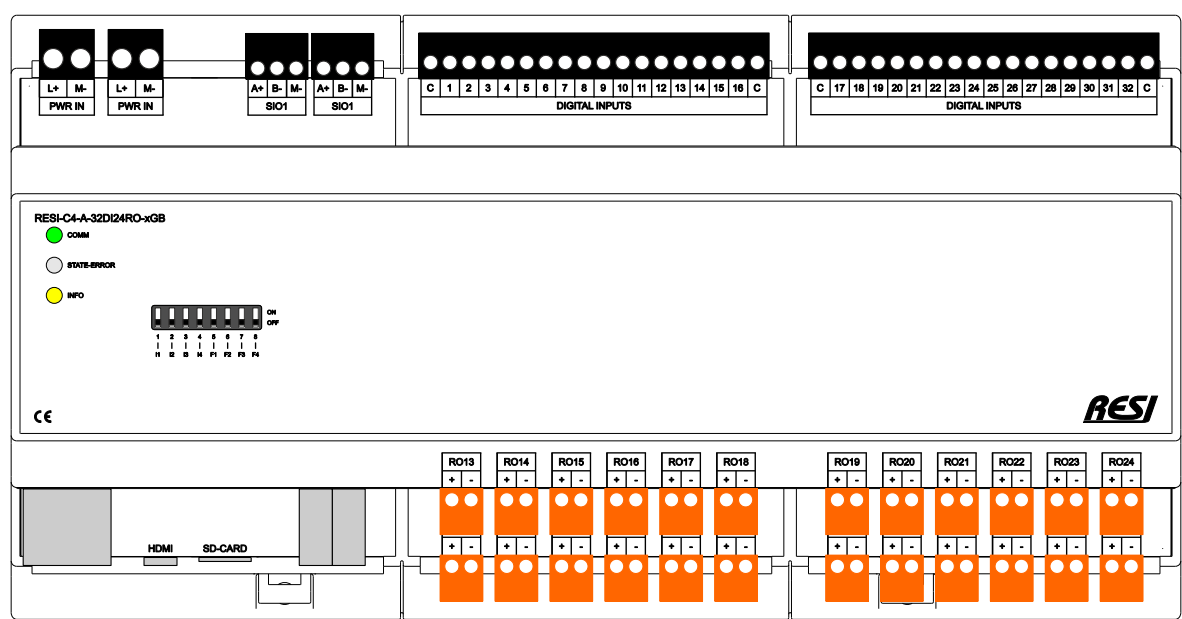The controller offers 32 digital inputs for DC signals 12-48V= and 24 Form A relay outputs for AC/DC signals.

| DIN EN 50022 Snap-on for DIN-Rail | ON-WALL Mounting on-wall | Raspberry Pi CM4® inside | XT12 213x110x62mm | 12-48V= Power supply | 24xFormA | |

32 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
24 Relay Outputs	RELAY OUTPUT Form A relays	≤30V= ≤250V~ ≤6A AgSnO₂

Functionality
IoT controller with 32 digital inputs for 12-48Vdc signals.
and 24 relay outputs for switching AC or DC signals.
All inputs use same common contact for a common DC power supply.
All relay outputs are separated with its own root contact.

RESI

RESI-C4-A-44DI12DO24RO-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
The controller offers 44 digital inputs for DC signals 12-48V= and 12 digital outputs for DC signals ≤30V= and 24 Form A relay outputs for AC/DC signals.
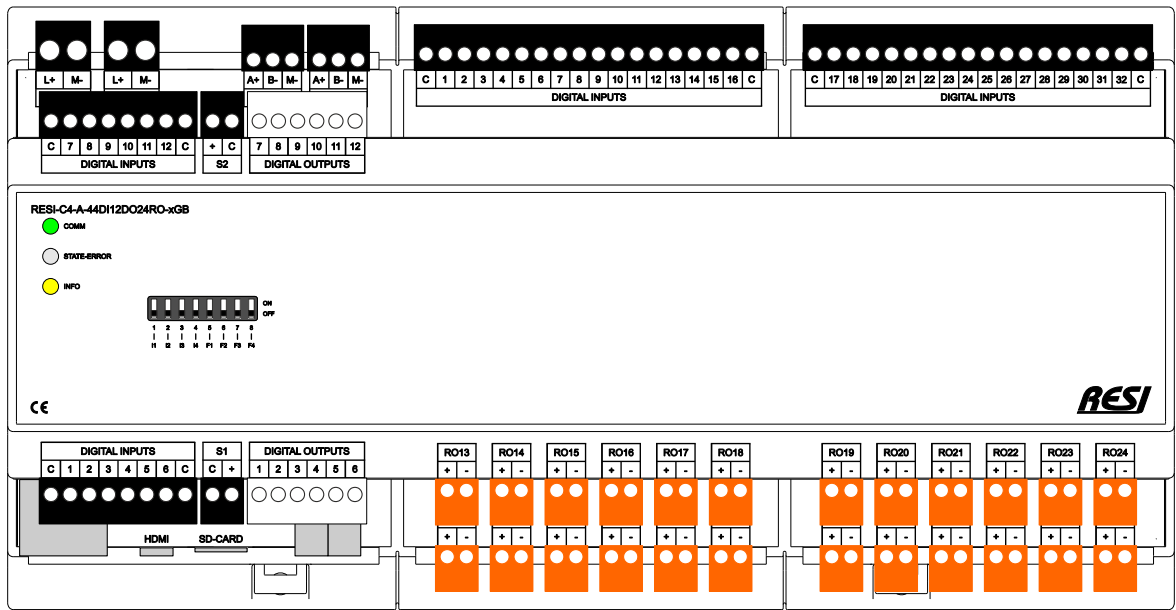

DIN EN 50022 Snap-on for DIN-Rail	ON-WALL Mounting on-wall	Raspberry Pi CM4® inside	XT12 213x110x62mm	12-48V= Power supply	24xFormA	

44 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
12 Digital Outputs	DIGITAL OUTPUT Output is shortcut & over heat protected. Organized in 2 groups with 6 outputs each. Each output group is externally supplied. Max. 1.8A power supply for output group.	≤30V= ≤700mA
24 Relay Outputs	RELAY OUTPUT Form A relays	≤30V= ≤250V~ ≤6A AgSnO₂

Functionality

IoT controller with 44 digital inputs for 12-48Vdc signals and 12 digital outputs for ≤30Vdc signals and 24 relay outputs for switching AC or DC signals.
All inputs use same common contact for a common DC power supply.
All relay outputs are separated with its own root contact. Each group of 6 outputs has its own power supply connector. Each output group detects power supply, overheat or short cut error.
All outputs are galvanic-ally insulated from the rest of the module.

RESI

RESI-C4-A-4SB-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi®
Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-
HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
The controller offers 8 Form A relay outputs for AC/DC signals with common power supply+root contacts
for time driven control of up to 4 shades or blinds.

DIN EN 50022	ON-WALL	Raspberry Pi	XT8	12-48V=	8xFormA	
Snap-on	Mounting on-wall	CM4®	143x110x62mm	Power supply	shades & blind	
for DIN-Rail		inside			control	

8 Relay Outputs	RELAY OUTPUT	≤30V=
	Form A relays	≤250V~
	with common supply+root	≤6A
		$AgSnO_2$

Functionality

IoT controller with 8 relay outputs for time driven control of
4 shades or blinds with AC or DC engines.
All 8 relay outputs have a common power supply terminal.

RESI

RESI-C4-A-8SB-xGB

Our powerful IoT controller for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.
The controller offers 16 Form A relay outputs for AC/DC signals with common power supply+root contacts
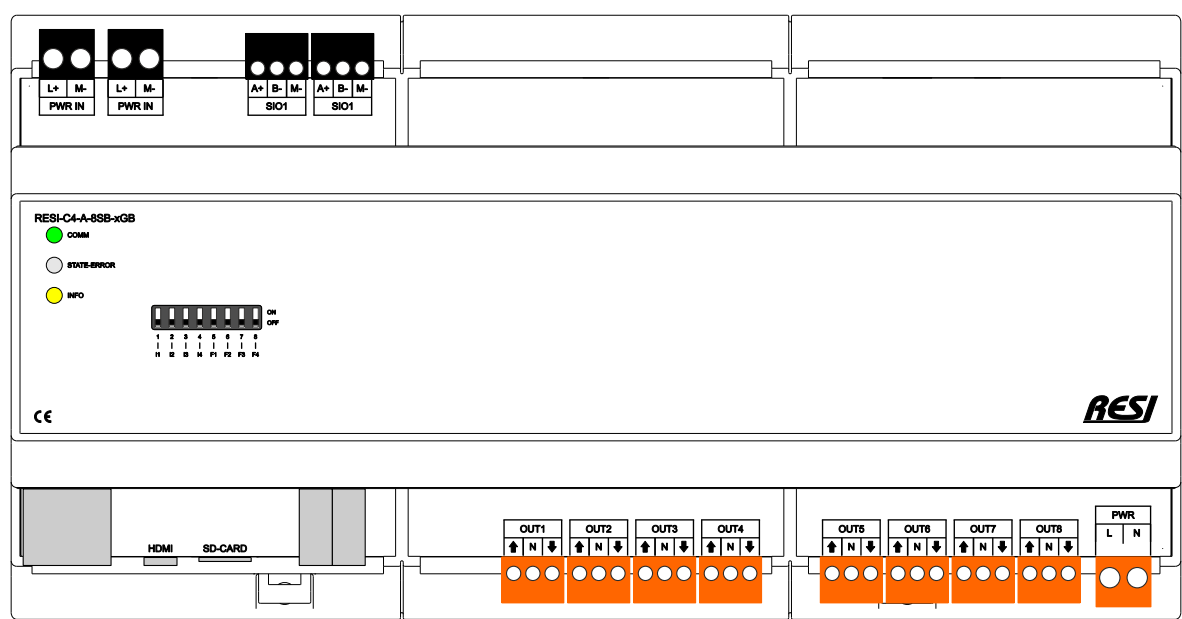for time driven control of up to 8 shades or blinds.

| DIN EN 50022 | ON-WALL | Raspberry Pi | XT12 | 12-48V= | 16xFormA | |
| Snap-on for DIN-Rail | Mounting on-wall | CM4® inside | 213x110x62mm | Power supply | shades & blind control | |

16 Relay Outputs	RELAY OUTPUT	≤30V=
	Form A relays with common supply+root	≤250V~
		≤6A
		AgSnO$_2$

Functionality
IoT controller with 16 relay outputs for time driven control of
8 shades or blinds with AC or DC engines.
All 16 relay outputs have a common power supply terminal.

RESI

RESI-C4-A-10RI4SB-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
The controller offers 10 digital inputs for AC or DC signals 12-250V~= and 8 Form A relay outputs for AC/DC signals with common power supply+root contacts for time driven control of up to 4 shades or blinds.
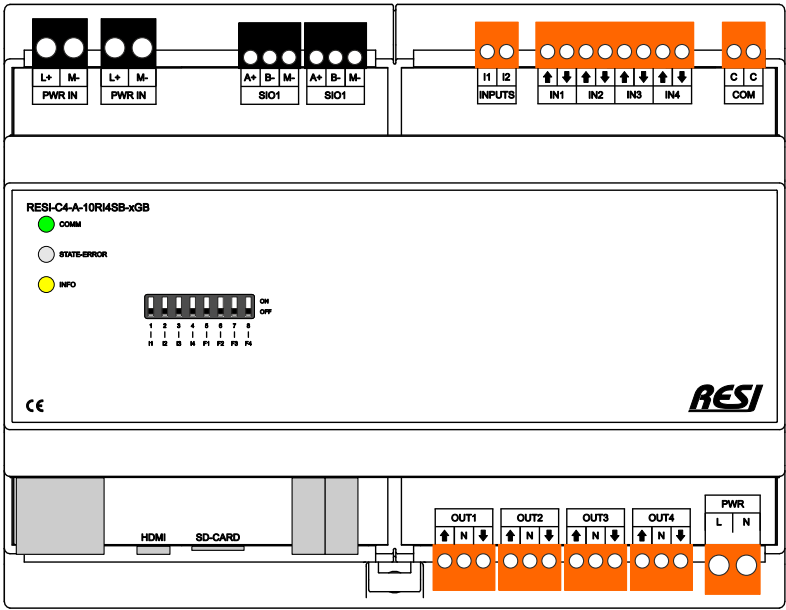

DIN EN 50022 Snap-on for DIN-Rail	ON-WALL Mounting on-wall	Raspberry Pi CM4® inside	XT8 143x110x62mm	12-48V= Power supply	8xFormA shades & blind control	

10 Digital Inputs	LOGIC INPUT All inputs use same power supply	12...250V~= ≤1.8mA
8 Relay Outputs	RELAY OUTPUT Form A relays with common supply+root	≤30V= ≤250V~ ≤6A AgSnO$_2$

Functionality

IoT controller with 10 digital inputs for 12-250Vac/dc signals and
8 relay outputs for time driven control of 4 shades or blinds with AC or DC engines.
All inputs use same common contact for a common AC or DC power supply.
All inputs are galvanic-ally insulated from the rest of the module.
All 8 relay outputs have a common power supply terminal.

RESI

RESI-C4-A-20RI8SB-xGB

Our powerful IoT controller for a MODBUS/TCP or ASCII text socket protocol host with Ethernet interface.
The controller offers 20 digital inputs for AC or DC signals 12-250V~= and 16 Form A relay outputs for AC/DC signals with common power supply+root contacts for time driven control of up to 8 shades or blinds.
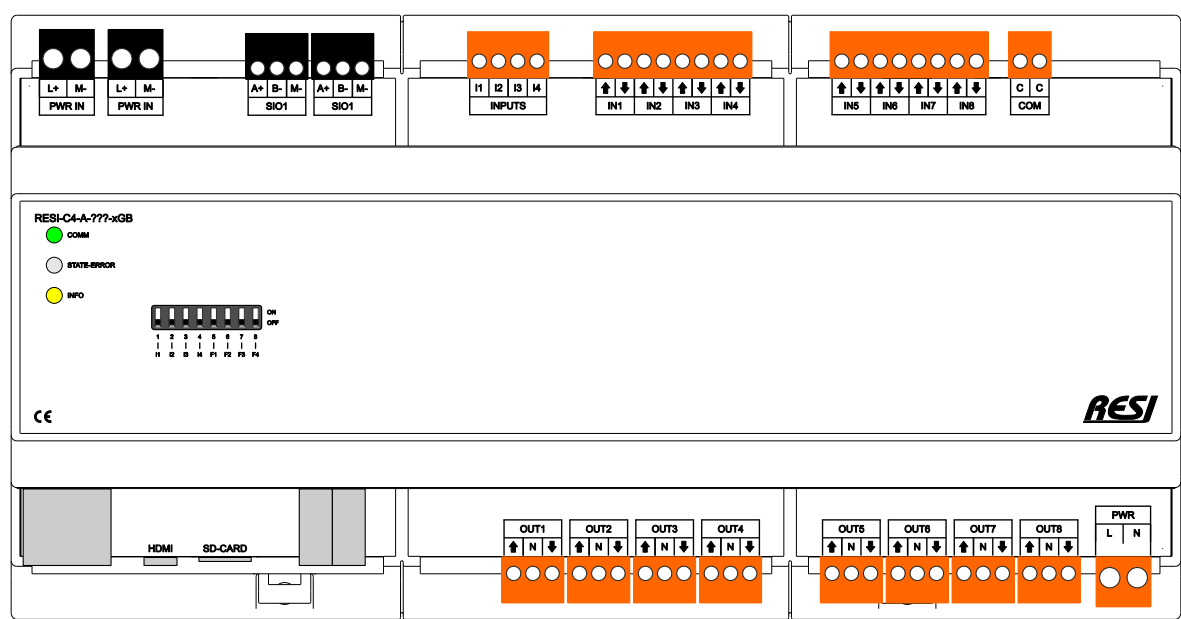

| DIN EN 50022 | ON-WALL | Raspberry Pi | XT12 | 12-48V= | 16xFormA | |
| Snap-on for DIN-Rail | Mounting on-wall | CM4® inside | 213x110x62mm | Power supply | shades & blind control | |

20 Digital Inputs	LOGIC INPUT All inputs use same power supply	12...250V~= ≤1.8mA
16 Relay Outputs	RELAY OUTPUT Form A relays with common supply+root	≤30V= ≤250V~ ≤6A AgSnO$_2$

Functionality
IoT controller with 20 digital inputs for 12-250Vac/dc signals and
16 relay outputs for time driven control of 8 shades or blinds with AC or DC engines.
All inputs use same common contact for a common AC or DC power supply.
All inputs are galvanic-ally insulated from the rest of the module.
All 16 relay outputs have a common power supply terminal.

IO-80

RESI

RESI-C4-A-4LED-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
The IoT controller is a 12 channel PWM dimmer module for LED stripes with constant voltage and common anode organized in 4 groups with own DC power supplies for every group ≤60V= ≤15A.

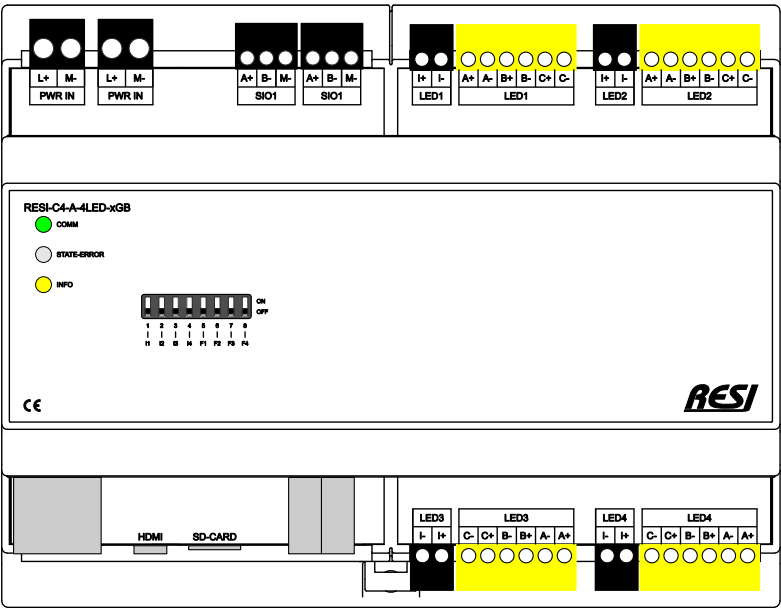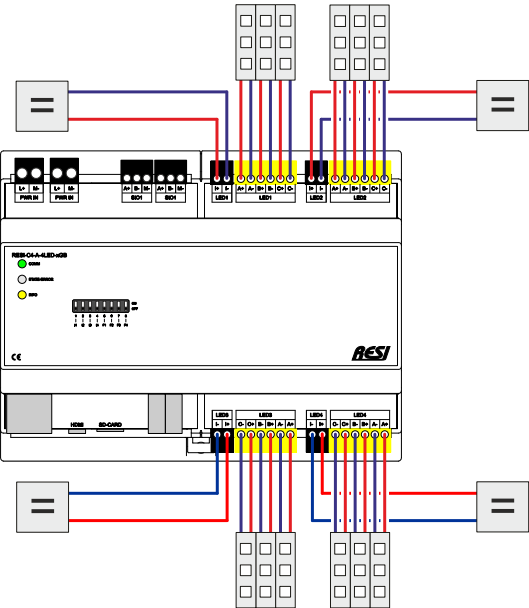| DIN EN 50022 Snap-on for DIN-Rail	ON-WALL Mounting on-wall	Raspberry Pi CM4® inside	XT8 143x110x62mm	12-48V= Power supply	12xPWM for LED Stripes

12 PWM Outputs	PWM OUTPUT for LED Stripes organized in 4 groups with 3 PWM dimmer each	≤60V= ≤5A/channel

Functionality
IoT controller with 12 PWM outputs for dimming LED stripes with constant voltage and common anode. The controller offers 4 groups with 3 PWM dimmer outputs each.
Module is designed ti use RGB, dual white or mono colour LED stripes.
Each PWM output channel can drive 5A maximum current.
External power supply for LED stripes (e.g. 12V= or 24V=) ≤60V= and ≤15A for each group necessary.

RESI

RESI-C4-A-4AIOX-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi®
Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-
HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
The controller offers 4 universal inputs or outputs for analogue or digital signals or RTD sensors.

DIN EN 50022	ON-WALL	Raspberry Pi	XT4	12-48V=	8xAI/AO/RTD/DI
Snap-on for DIN-Rail	Mounting on-wall	CM4® inside	72x110x62mm	Power supply	0-10V, 0-20mA RTD, DI

4 Universal Channels Analog Input or Analog Output or RTD Inputs or Digital Input	ANALOG INPUT 0/2...10V or 0/4..20mA	±0.2% 16 Bit
	ANALOG OUTPUT 0/2...10V or 0/4..20mA	±0.3% 13 Bit
	RTD Sensor Input 0...80Ω 80...200Ω 200...10kΩ 10kΩ...20kΩ 20kΩ...100kΩ 100kΩ...200kΩ 200kΩ...1MΩ	0.5%±0.5 0.3% 0.2% 0.3% 0.8% 1.0% 8.0% 16 Bit
	LOGIC INPUT or DRY CONTACT	≤40V ≤1.8mA 0.5...24.5mA

Functionality
IoT controller with 4 universal inputs or outputs.
Each channel can be configured to one of the following input or output types:
AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or
DI: max 30Vdc Signals or dry contact

RESI

RESI-C4-A-8AIOX-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
The controller offers 8 universal inputs or outputs for analogue or digital signals or RTD sensors.
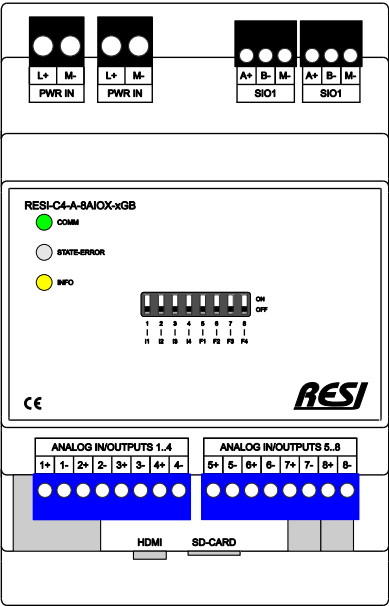

DIN EN 50022 Snap-on for DIN-Rail	ON-WALL Mounting on-wall	Raspberry Pi CM4® inside	XT4 72x110x62mm	12-48V= Power supply	8xAI/AO/RTD/DI 0-10V, 0-20mA RTD, DI

8 Universal Channels Analog Input or Analog Output or RTD Inputs or Digital Input	ANALOG INPUT 0/2...10V or 0/4..20mA	±0.2% 16 Bit
	ANALOG OUTPUT 0/2...10V or 0/4..20mA	±0.3% 13 Bit
	RTD Sensor Input	
	0...80Ω	0.5%±0.5
	80...200Ω	0.3%
	200...10kΩ	0.2%
	10kΩ...20kΩ	0.3%
	20kΩ...100kΩ	0.8%
	100kΩ...200kΩ	1.0%
	200kΩ...1MΩ	8.0%
		16 Bit
	LOGIC INPUT or DRY CONTACT	≤40V ≤1.8mA 0.5...24.5mA

Functionality
IoT controller with 8 universal inputs or outputs.
Each channel can be configured to one of the following input or output types:
AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or
DI: max 30Vdc Signals or dry contact

RESI

RESI-C4-A-16AIOX-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
The controller offers 16 universal inputs or outputs for analogue or digital signals or RTD sensors.
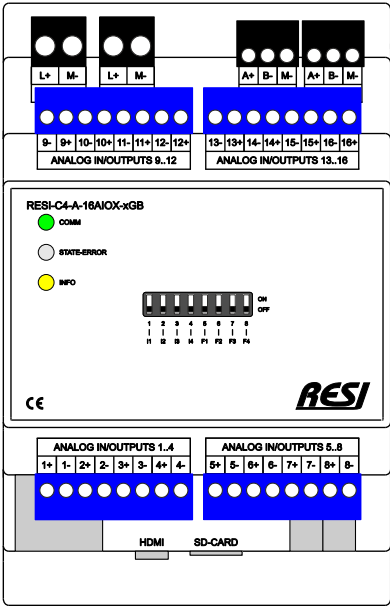

DIN EN 50022 Snap-on for DIN-Rail	ON-WALL Mounting on-wall	Raspberry Pi CM4® inside	XT4 72x110x62mm	12-48V= Power supply	16xAI/AO/RTD/DI 0-10V, 0-20mA RTD, DI

16 Universal Channels	ANALOG INPUT 0/2...10V or 0/4..20mA	±0.2% 16 Bit
Analog Input or Analog Output or RTD Inputs or Digital Input	ANALOG OUTPUT 0/2...10V or 0/4..20mA	±0.3% 13 Bit
	RTD Sensor Input	
	0...80Ω	0.5%±0.5
	80...200Ω	0.3%
	200...10kΩ	0.2%
	10kΩ...20kΩ	0.3%
	20kΩ...100kΩ	0.8%
	100kΩ...200kΩ	1.0%
	200kΩ...1MΩ	8.0%
		16 Bit
	LOGIC INPUT or DRY CONTACT	≤40V ≤1.8mA 0.5...24.5mA

Functionality

IoT controller with 16 universal inputs or outputs.
Each channel can be configured to one of the following input or output types:
AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or
DI: max 30Vdc Signals or dry contact

RESI-C4-A-12AIU-xGB

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The controller offers 12 independent analog inputs for DC signals in the range of -10V....+10V.

DIN EN 50022	ON-WALL	Raspberry Pi	XT8	12-48V=	12xAI
Snap-on	Mounting on-wall	CM4®	143x110x62mm	Power supply	-10...+10V=
for DIN-Rail		inside			

12 Analog Inputs	ANALOG INPUTS galvanic insulated	0...10V -10V...+10V ±0.1% 16bit

Functionality

IoT controller with 12 analogue inputs for DC signals.
Input signal in the range of -10V and +10V.

Input group is galvanic-ally insulated from rest of module.

RESI

RESI-C4-A-12AOU-xGB

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The controller offers 12 independent analog outputs for DC signals in the range of -10V....+10V.

DIN EN 50022	ON-WALL	Raspberry Pi	XT8	12-48V=	12xAO
Snap-on for DIN-Rail	Mounting on-wall	CM4® inside	143x110x62mm	Power supply	-10...+10V=

12 Analog Outputs	ANALOG OUTPUTS galvanic insulated	0...10V -10V...+10V ±0.1% 12bit

Functionality
IoT controller with 12 analogue outputs for DC signals.
Output signal in the range of -10V and +10V.

Output group is galvanic-ally insulated from rest of module.

IO-86

RESI-C4-A-8RTD-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
The controller offers 8 RTD sensor inputs for RTD Sensors like PT100, PT1000, NI1000,...

DIN EN 50022	ON-WALL	Raspberry Pi	XT8	12-48V=	8xRTD
Snap-on for DIN-Rail	Mounting on-wall	CM4® inside	143x110x62mm	Power supply	PT100,PT1000,NI1000 ...

8 RTD Sensor Inputs	RTD SENSOR INPUTS	±0.1%
	PT100 PT200 PT500 PT1000 NI120 NI1000-DI43760 OHM	24bit

Functionality
IoT controller with 8 RTD sensor inputs for RTD sensors.
Various RTD sensors can be used with the module.
2-wire, 3-wire or 4-wire sensor connection.
Each channel can be configured to different type of RTD sensor.

RTD sensor input group is galvanic-ally insulated from rest of module.

RESI

RESI-C4-A-8RTD2-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
The controller offers 8 RTD sensor inputs for RTD Sensors like PT100, PT1000, NI1000,...

DIN EN 50022	ON-WALL	Raspberry Pi	XT8	12-48V=	8xRTD
Snap-on for DIN-Rail	Mounting on-wall	CM4® inside	143x110x62mm	Power supply	PT100,PT1000,NI1000 ...

8 RTD Sensor Inputs	RTD SENSOR INPUTS	±0.1%
	PT100 PT200 PT500 PT1000 NI120 NI1000-DI43760 OHM	24bit

Functionality

IoT controller with 8 RTD sensor inputs for RTD sensors.
Various RTD sensors can be used with the module.
2-wire sensor connection.
Each channel can be configured to different type of RTD sensor.

RTD sensor input group is galvanic-ally insulated from rest of module.

RESI

COMBINED IOs

Raspberry Pi is a trademark of the Raspberry Pi Foundation.
More information under www.raspberrypi.org

RESI

RESI-C4-A-6DI6DO4AIOX-xGB

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The controller offers 6 digital inputs for DC signals 12-48V= and 6 digital outputs for DC signals ≤30V= and
4 universal inputs or outputs for analogue or digital signals or RTD sensors.

6 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
6 Digital Outputs	DIGITAL OUTPUT Output is shortcut & over heat protected. Organized in 1 group with 6 outputs each. Each output group is externally supplied. Max. 1.8A power supply for output group.	≤30V= ≤700mA
4 Universal Channels Analog Input or Analog Output or RTD Inputs or Digital Input	ANALOG INPUT 0/2...10V or 0/4..20mA ANALOG OUTPUT 0/2...10V or 0/4..20mA RTD Sensor Input 0...80Ω 80...200Ω 200...10kΩ 10kΩ...20kΩ 20kΩ...100kΩ 100kΩ...200kΩ 200kΩ...1MΩ LOGIC INPUT or DRY CONTACT	±0.2% 16 Bit ±0.3% 13 Bit 0.5%±0.5 0.3% 0.2% 0.3% 0.8% 1.0% 8.0% 16 Bit ≤40V ≤1.8mA 0.5...24.5mA

Functionality

IoT controller with 6 digital inputs for 12-48Vdc signals, 6 digital outputs for ≤30Vdc signals and 4 universal inputs or outputs. Each output group detects power supply, overheat or short cut error. All outputs are galvanic-ally insulated from the rest of the module. Each analog channel can be configured to one of the following input or output types:
AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or
DI: max 30Vdc Signals or dry contact

XT4 72x110x62mm	12-48V= Power supply	
DIN EN 50022 Snap-on for DIN-Rail	ON-WALL Mounting on-wall	Raspberry Pi CM4® inside

RESI

RESI-C4-A-6DI6DO8AIOX-xGB

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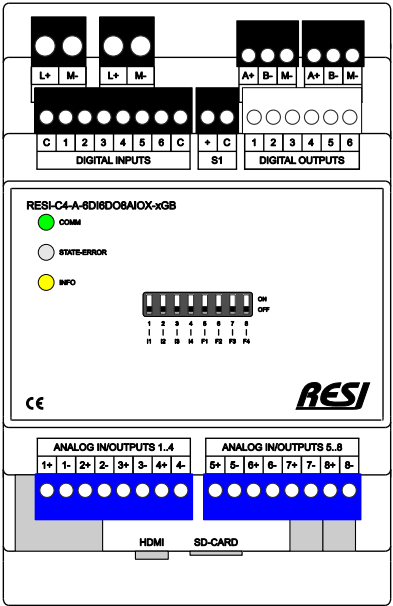8 universal inputs or outputs for analogue or digital signals or RTD sensors.

6 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
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XT4 72x110x62mm	12-48V= Power supply	
DIN EN 50022 Snap-on for DIN-Rail	ON-WALL Mounting on-wall	Raspberry Pi CM4® inside

Functionality

IoT controller with 6 digital inputs for 12-48Vdc signals, 6 digital outputs for ≤30Vdc signals and 8 universal inputs or outputs. Each output group detects power supply, overheat or short cut error. All outputs are galvanic-ally insulated from the rest of the module. Each analog channel can be configured to one of the following input or output types:
AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or
DI: max 30Vdc Signals or dry contact

RESI

RESI-C4-A-16DI15DO4AIOX-xGB

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The controller offers 16 digital inputs for DC signals 12-48V= and 15 digital outputs for DC signals ≤30V= and
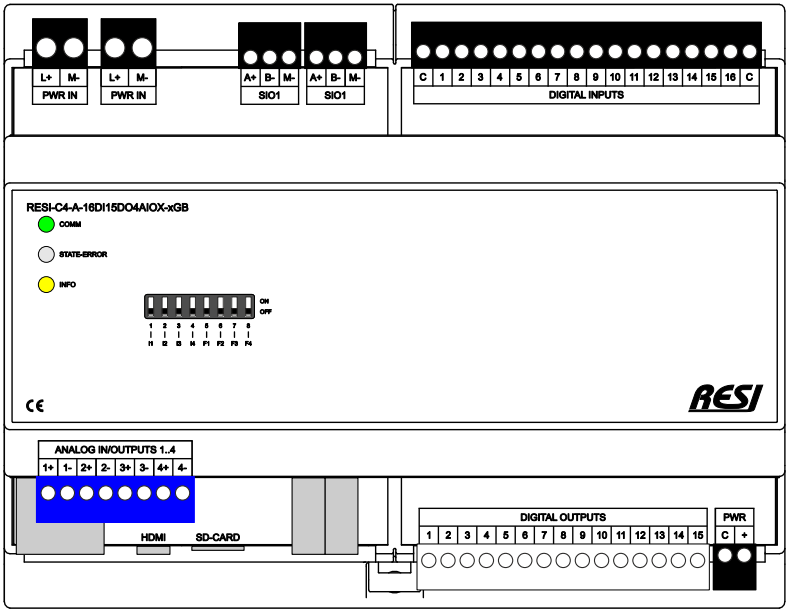4 universal inputs or outputs for analogue or digital signals or RTD sensors.

16 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
15 Digital Outputs	DIGITAL OUTPUT Output is shortcut & over heat protected. Organized in 1 group with 15 outputs each. Each output group is externally supplied. Max. 1.8A power supply for output group.	≤30V= ≤700mA
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XT8 143x110x62mm	12-48V= Power supply	
DIN EN 50022 Snap-on for DIN-Rail	ON-WALL Mounting on-wall	Raspberry Pi CM4® inside

Functionality

IoT controller with 16 digital inputs for 12-48Vdc signals, 15 digital outputs for ≤30Vdc signals and 4 universal inputs or outputs. Each output group detects power supply, overheat or short cut error. All outputs are galvanic-ally insulated from the rest of the module. Each analog channel can be configured to one of the following input or output types: AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact

RESI

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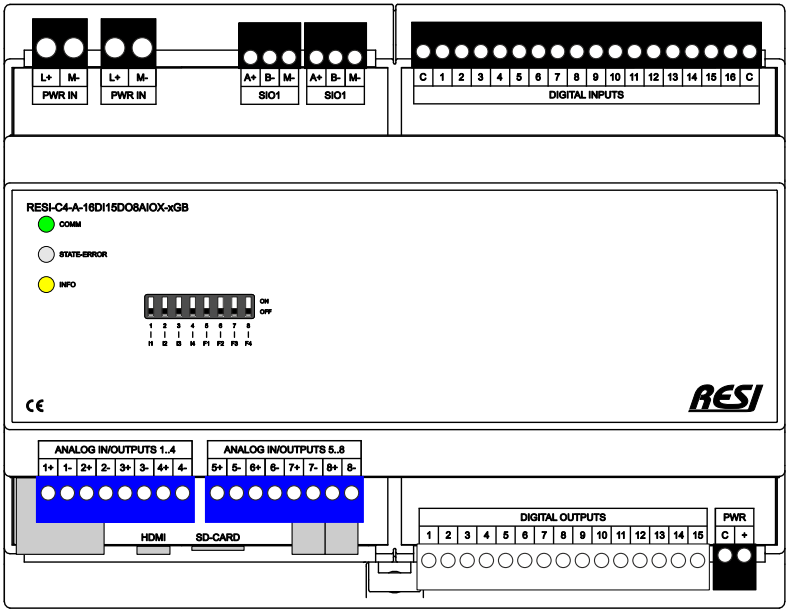

16 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
15 Digital Outputs	DIGITAL OUTPUT Output is shortcut & over heat protected. Organized in 1 group with 15 outputs each. Each output group is externally supplied. Max. 1.8A power supply for output group.	≤30V= ≤700mA
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XT8 143x110x62mm	12-48V= Power supply	
DIN EN 50022 Snap-on for DIN-Rail	ON-WALL Mounting on-wall	Raspberry Pi CM4® inside

Functionality

IoT controller with 16 digital inputs for 12-48Vdc signals, 15 digital outputs for ≤30Vdc signals and 8 universal inputs or outputs. Each output group detects power supply, overheat or short cut error. All outputs are galvanic-ally insulated from the rest of the module. Each analog channel can be configured to one of the following input or output types:
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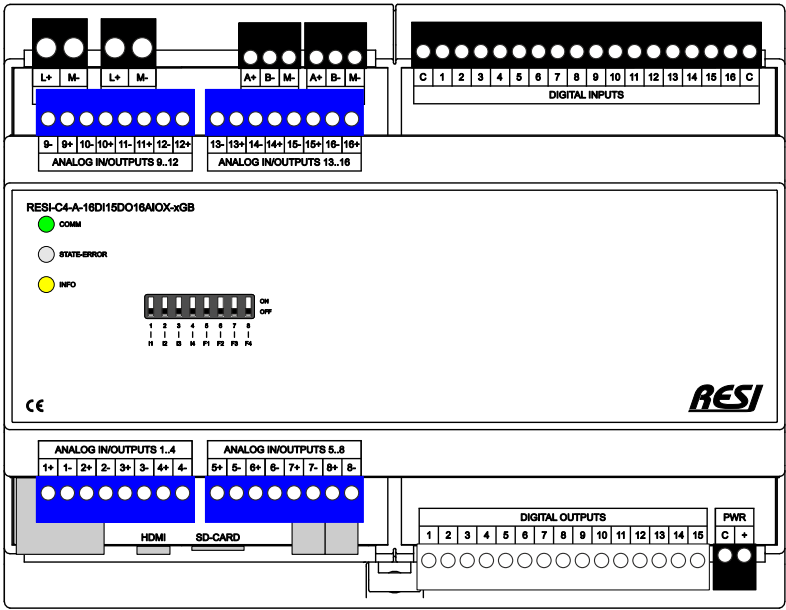16 universal inputs or outputs for analogue or digital signals or RTD sensors.

16 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
15 Digital Outputs	**DIGITAL OUTPUT** Output is shortcut & over heat protected. Organized in 1 group with 15 outputs each. Each output group is externally supplied. Max. 1.8A power supply for output group.	≤30V= ≤700mA
16 Universal Channels Analog Input or Analog Output or RTD Inputs or Digital Input	**ANALOG INPUT** 0/2...10V or 0/4..20mA **ANALOG OUTPUT** 0/2...10V or 0/4..20mA **RTD Sensor Input** 0...80Ω 80...200Ω 200...10kΩ 10kΩ...20kΩ 20kΩ...100kΩ 100kΩ...200kΩ 200kΩ...1MΩ **LOGIC INPUT** or **DRY CONTACT**	±0.2% 16 Bit ±0.3% 13 Bit 0.5%±0.5 0.3% 0.2% 0.3% 0.8% 1.0% 8.0% 16 Bit ≤40V ≤1.8mA 0.5...24.5mA

XT8 143x110x62mm	12-48V= Power supply	
DIN EN 50022 Snap-on for DIN-Rail	**ON-WALL** Mounting on-wall	**Raspberry Pi CM4®** inside

Functionality

IoT controller with 16 digital inputs for 12-48Vdc signals, 15 digital outputs for ≤30Vdc
signals and 16 universal inputs or outputs. Each output group detects power supply, overheat
or short cut error. All outputs are galvanic-ally insulated from the rest of the module.
Each analog channel can be configured to one of the following input or output types:
AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or
DI: max 30Vdc Signals or dry contact

RESI

RESI-C4-A-32DI30DO4AIOX-xGB

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The controller offers 32 digital inputs for DC signals 12-48V= and 30 digital outputs for DC signals ≤30V= and
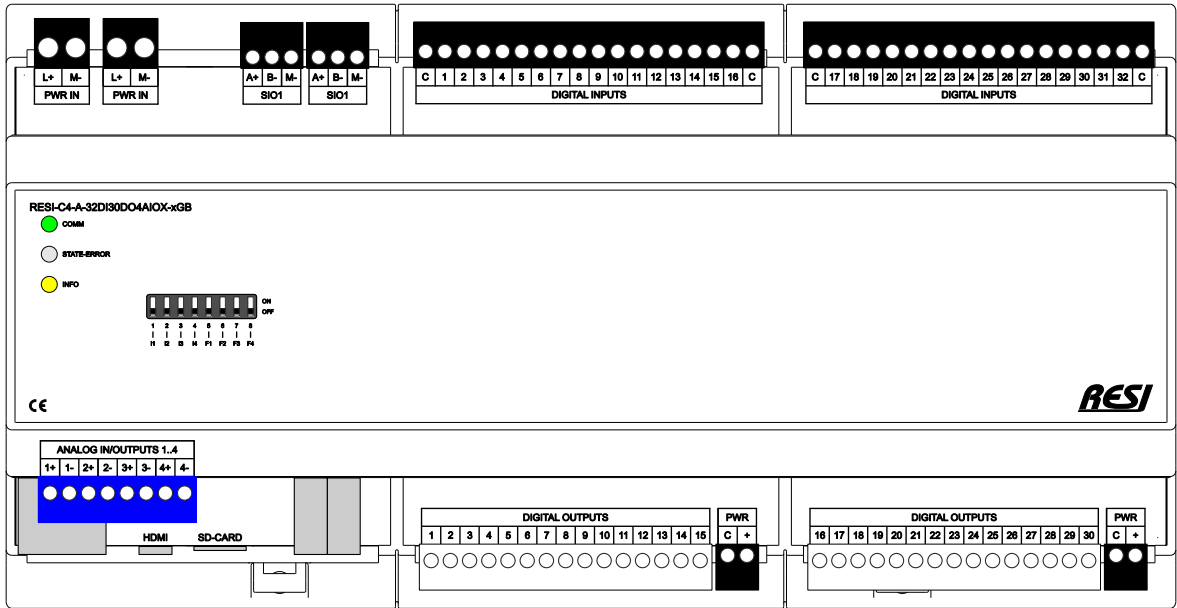4 universal inputs or outputs for analogue or digital signals or RTD sensors.

32 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
30 Digital Outputs	DIGITAL OUTPUT Output is shortcut & over heat protected. Organized in 2 groups with 15 outputs each. Each output group is externally supplied. Max. 1.8A power supply for output group.	≤30V= ≤700mA
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Functionality

IoT controller with 32 digital inputs for 12-48Vdc signals, 30 digital outputs for ≤30Vdc signals and 4 universal inputs or outputs. Each output group detects power supply, overheat or short cut error. All outputs are galvanic-ally insulated from the rest of the module. Each analog channel can be configured to one of the following input or output types:
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DI: max 30Vdc Signals or dry contact

XT12 213x110x62mm	12-48V= Power supply	
DIN EN 50022 Snap-on for DIN-Rail	ON-WALL Mounting on-wall	Raspberry Pi CM4® inside

RESI

RESI-C4-A-32DI30DO8AIOX-xGB

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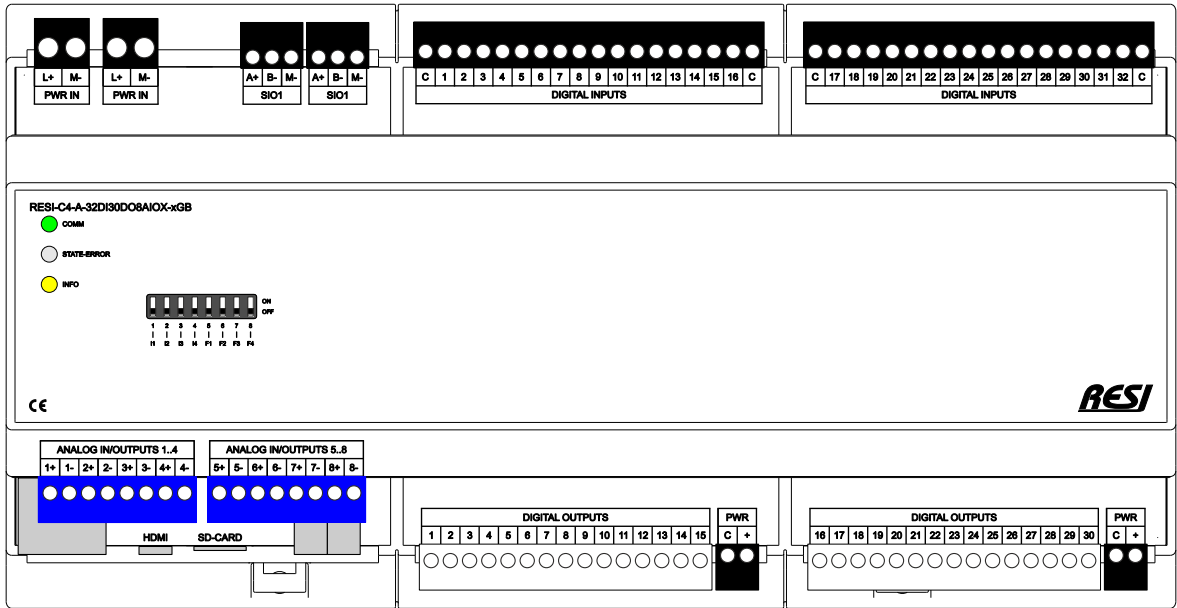8 universal inputs or outputs for analogue or digital signals or RTD sensors.

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Functionality
IoT controller with 32 digital inputs for 12-48Vdc signals, 30 digital outputs for ≤30Vdc signals and 8 universal inputs or outputs. Each output group detects power supply, overheat or short cut error. All outputs are galvanic-ally insulated from the rest of the module. Each analog channel can be configured to one of the following input or output types:
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DI: max 30Vdc Signals or dry contact

XT12 213x110x62mm	12-48V= Power supply	
DIN EN 50022 Snap-on for DIN-Rail	ON-WALL Mounting on-wall	Raspberry Pi CM4® inside

RESI

RESI-C4-A-32DI30DO16AIOX-xGB

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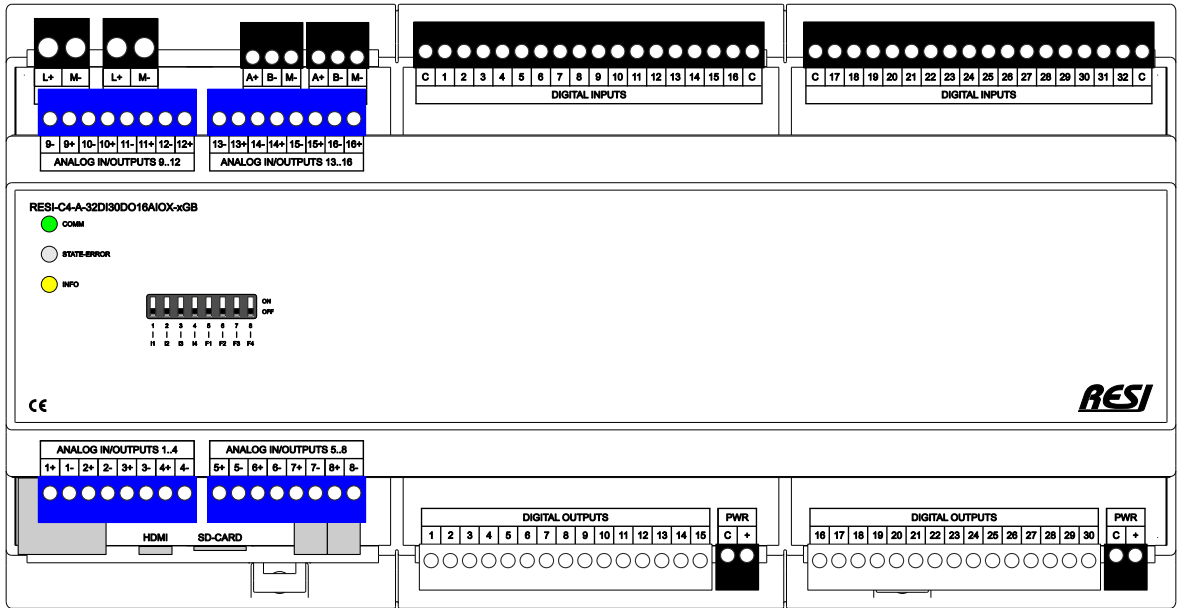

32 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
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Functionality

IoT controller with 32 digital inputs for 12-48Vdc signals, 30 digital outputs for ≤30Vdc signals and 16 universal inputs or outputs. Each output group detects power supply, overheat or short cut error. All outputs are galvanic-ally insulated from the rest of the module. Each analog channel can be configured to one of the following input or output types: AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact

XT12 213x110x62mm	12-48V= Power supply	
DIN EN 50022 Snap-on for DIN-Rail	ON-WALL Mounting on-wall	Raspberry Pi CM4® inside

RESI

RESI-C4-A-64DI60DO4AIOX-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
The controller offers 64 digital inputs for DC signals 12-48V= and 60 digital outputs for DC signals ≤30V= and
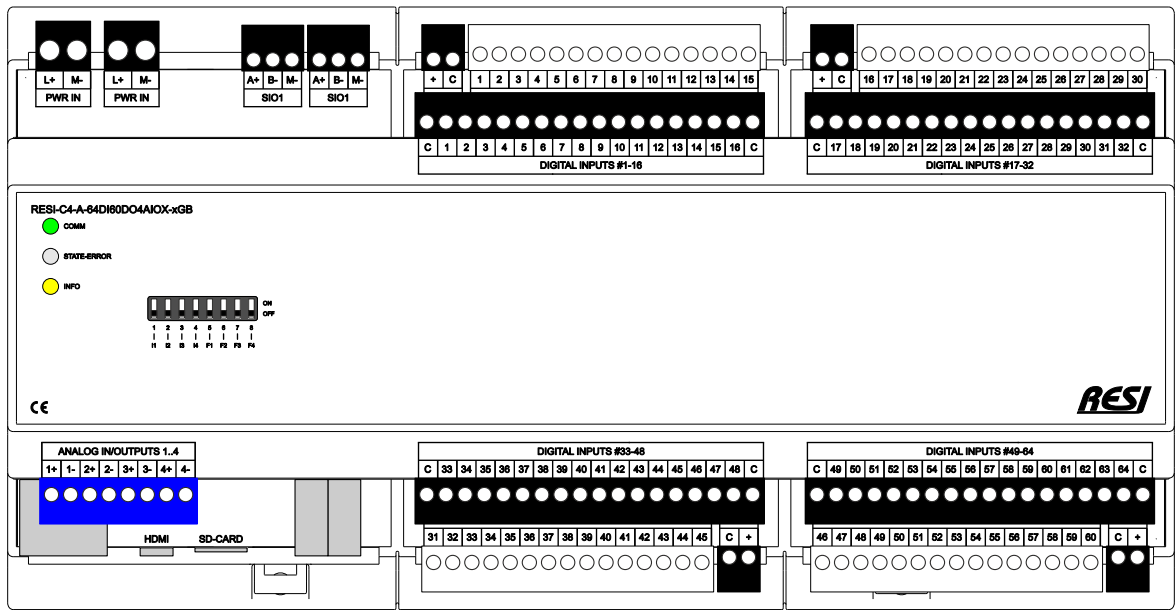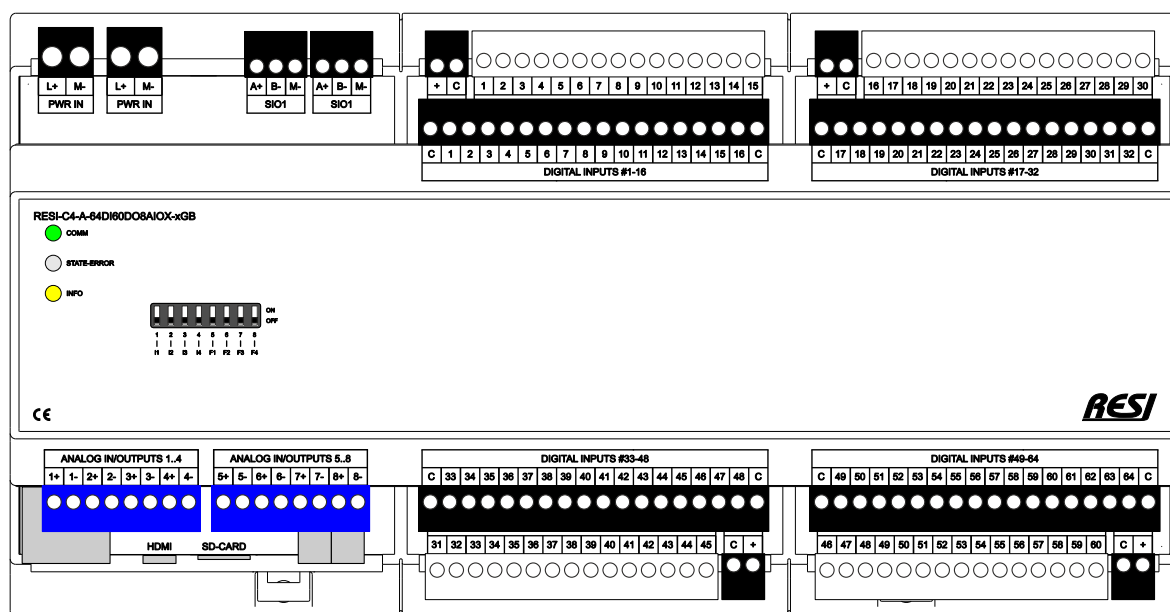4 universal inputs or outputs for analogue or digital signals or RTD sensors.

64 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
60 Digital Outputs	DIGITAL OUTPUT Output is shortcut & over heat protected. Organized in 4 groups with 15 outputs each. Each output group is externally supplied. Max. 1.8A power supply for output group.	≤30V= ≤700mA
4 Universal Channels Analog Input or Analog Output or RTD Inputs or Digital Input	ANALOG INPUT 0/2...10V or 0/4..20mA ANALOG OUTPUT 0/2...10V or 0/4..20mA RTD Sensor Input 0...80Ω 80...200Ω 200...10kΩ 10kΩ...20kΩ 20kΩ...100kΩ 100kΩ...200kΩ 200kΩ...1MΩ LOGIC INPUT or DRY CONTACT	±0.2% 16 Bit ±0.3% 13 Bit 0.5%±0.5 0.3% 0.2% 0.3% 0.8% 1.0% 8.0% 16 Bit ≤40V ≤1.8mA 0.5...24.5mA

Functionality

IoT controller with 64 digital inputs for 12-48Vdc signals, 60 digital outputs for ≤30Vdc signals and 4 universal inputs or outputs. Each output group detects power supply, overheat or short cut error. All outputs are galvanic-ally insulated from the rest of the module. Each analog channel can be configured to one of the following input or output types:
AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or
DI: max 30Vdc Signals or dry contact

XT12 213x110x62mm	12-48V= Power supply	
DIN EN 50022 Snap-on for DIN-Rail	ON-WALL Mounting on-wall	Raspberry Pi CM4® inside

RESI

RESI-C4-A-64DI60DO8AIOX-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
The controller offers 64 digital inputs for DC signals 12-48V= and 60 digital outputs for DC signals ≤30V= and
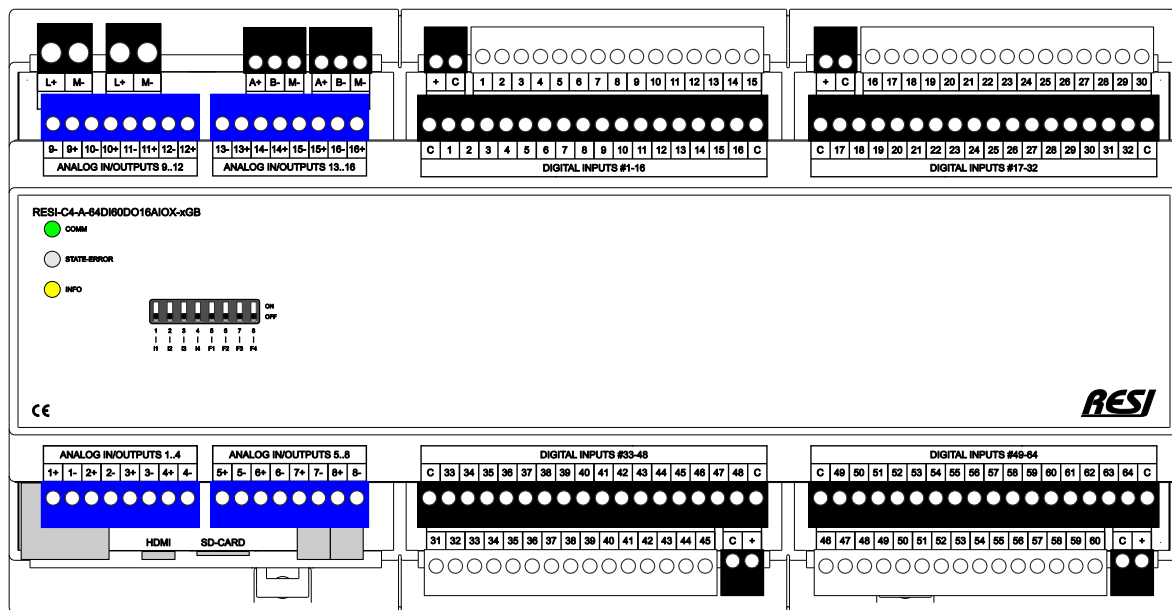8 universal inputs or outputs for analogue or digital signals or RTD sensors.

64 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
60 Digital Outputs	**DIGITAL OUTPUT** Output is shortcut & over heat protected. Organized in 4 groups with 15 outputs each. Each output group is externally supplied. Max. 1.8A power supply for output group.	≤30V= ≤700mA
8 Universal Channels Analog Input or Analog Output or RTD Inputs or Digital Input	**ANALOG INPUT** 0/2...10V or 0/4..20mA **ANALOG OUTPUT** 0/2...10V or 0/4..20mA **RTD Sensor Input** 0...80Ω 80...200Ω 200...10kΩ 10kΩ...20kΩ 20kΩ...100kΩ 100kΩ...200kΩ 200kΩ...1MΩ **LOGIC INPUT** or **DRY CONTACT**	±0.2% 16 Bit ±0.3% 13 Bit 0.5%±0.5 0.3% 0.2% 0.3% 0.8% 1.0% 8.0% 16 Bit ≤40V ≤1.8mA 0.5...24.5mA

XT12 213x110x62mm	12-48V= Power supply	
DIN EN 50022 Snap-on for DIN-Rail	ON-WALL Mounting on-wall	Raspberry Pi CM4® inside

Functionality
IoT controller with 64 digital inputs for 12-48Vdc signals, 60 digital outputs for ≤30Vdc signals and 8 universal inputs or outputs. Each output group detects power supply, overheat or short cut error. All outputs are galvanic-ally insulated from the rest of the module. Each analog channel can be configured to one of the following input or output types: AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact

RESI

RESI-C4-A-64DI60DO16AIOX-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
The controller offers 64 digital inputs for DC signals 12-48V= and 60 digital outputs for DC signals ≤30V= and 16 universal inputs or outputs for analogue or digital signals or RTD sensors.

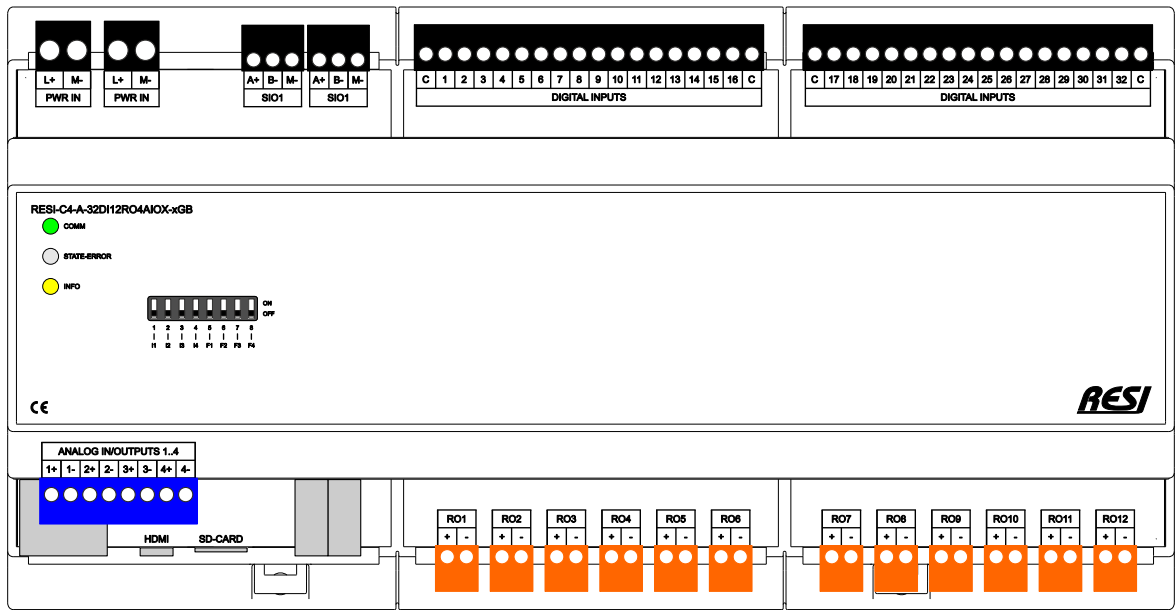| 64 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
60 Digital Outputs	**DIGITAL OUTPUT** Output is shortcut & over heat protected. Organized in 4 groups with 15 outputs each. Each output group is externally supplied. Max. 1.8A power supply for output group.	≤30V= ≤700mA
16 Universal Channels Analog Input or Analog Output or RTD Inputs or Digital Input	**ANALOG INPUT** 0/2...10V or 0/4..20mA **ANALOG OUTPUT** 0/2...10V or 0/4..20mA **RTD Sensor Input** 0...80Ω 80...200Ω 200...10kΩ 10kΩ...20kΩ 20kΩ...100kΩ 100kΩ...200kΩ 200kΩ...1MΩ **LOGIC INPUT** or **DRY CONTACT**	±0.2% 16 Bit ±0.3% 13 Bit 0.5%±0.5 0.3% 0.2% 0.3% 0.8% 1.0% 8.0% 16 Bit ≤40V ≤1.8mA 0.5...24.5mA

XT12 213x110x62mm	12-48V= Power supply	
DIN EN 50022 Snap-on for DIN-Rail	ON-WALL Mounting on-wall	Raspberry Pi CM4® inside

Functionality

IoT controller with 64 digital inputs for 12-48Vdc signals, 60 digital outputs for ≤30Vdc signals and 16 universal inputs or outputs. Each output group detects power supply, overheat or short cut error. All outputs are galvanic-ally insulated from the rest of the module. Each analog channel can be configured to one of the following input or output types: AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact

RESI

RESI-C4-A-32DI12RO4AIOX-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
The controller offers 32 digital inputs for DC signals 12-48V= and 12 Form A relay outputs for AC/DC signals. and
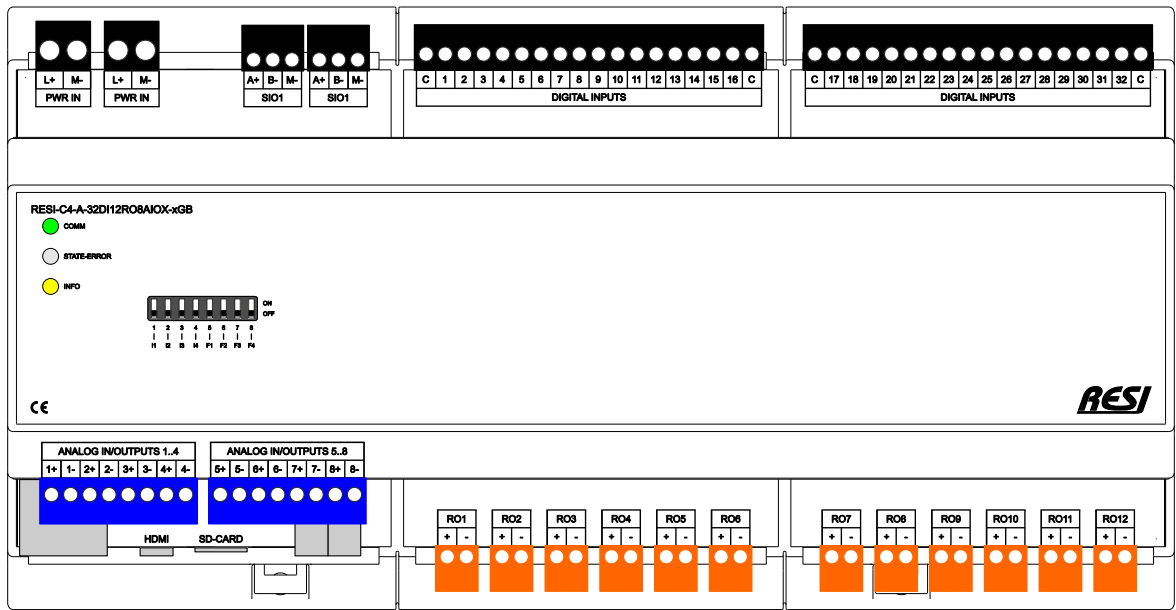4 universal inputs or outputs for analogue or digital signals or RTD sensors.

32 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
12 Relay Outputs	RELAY OUTPUT Form A relays	≤30V= ≤250V~ ≤6A AgSnO₂
4 Universal Channels Analog Input or Analog Output or RTD Inputs or Digital Input	ANALOG INPUT 0/2...10V or 0/4..20mA ANALOG OUTPUT 0/2...10V or 0/4..20mA RTD Sensor Input 0...80Ω 80...200Ω 200...10kΩ 10kΩ...20kΩ 20kΩ...100kΩ 100kΩ...200kΩ 200kΩ...1MΩ LOGIC INPUT or DRY CONTACT	±0.2% 16 Bit ±0.3% 13 Bit 0.5%±0.5 0.3% 0.2% 0.3% 0.8% 1.0% 8.0% 16 Bit ≤40V ≤1.8mA 0.5...24.5mA

XT12 213x110x62mm	12-48V= Power supply	
DIN EN 50022 Snap-on for DIN-Rail	ON-WALL Mounting on-wall	Raspberry Pi CM4® inside

Functionality
IoT controller with 32 digital inputs for 12-48Vdc signals and 12 relay outputs for switching AC or DC signals and 4 universal inputs or outputs. All relay outputs are separated with its own root contact. Each analog channel can be configured to one of the following input or output types:
AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or
DI: max 30Vdc Signals or dry contact

RESI

RESI-C4-A-32DI12RO8AIOX-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
The controller offers 32 digital inputs for DC signals 12-48V= and 12 Form A relay outputs for AC/DC signals. and 8 universal inputs or outputs for analogue or digital signals or RTD sensors.
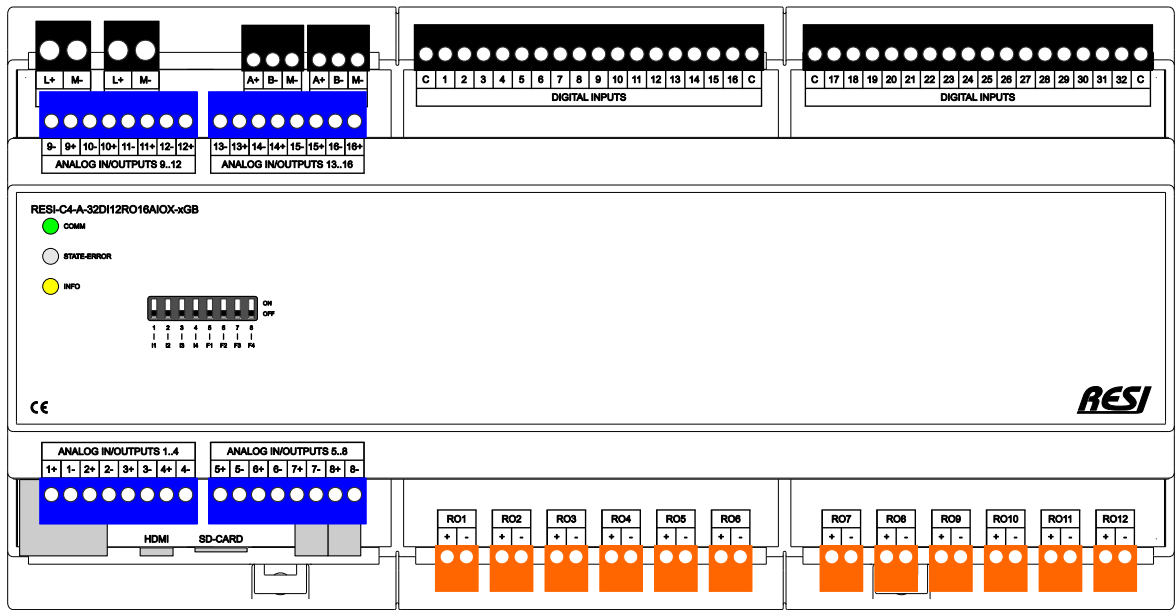

32 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
12 Relay Outputs	RELAY OUTPUT Form A relays	≤30V= ≤250V~ ≤6A AgSnO₂
8 Universal Channels Analog Input or Analog Output or RTD Inputs or Digital Input	ANALOG INPUT 0/2...10V or 0/4..20mA ANALOG OUTPUT 0/2...10V or 0/4..20mA RTD Sensor Input 0...80Ω 80...200Ω 200...10kΩ 10kΩ...20kΩ 20kΩ...100kΩ 100kΩ...200kΩ 200kΩ...1MΩ LOGIC INPUT or DRY CONTACT	±0.2% 16 Bit ±0.3% 13 Bit 0.5%±0.5 0.3% 0.2% 0.3% 0.8% 1.0% 8.0% 16 Bit ≤40V ≤1.8mA 0.5...24.5mA

XT12 213x110x62mm	12-48V= Power supply	
DIN EN 50022 Snap-on for DIN-Rail	ON-WALL Mounting on-wall	Raspberry Pi CM4® inside

Functionality
IoT controller with 32 digital inputs for 12-48Vdc signals and 12 relay outputs for switching AC or DC signals and 8 universal inputs or outputs. All relay outputs are separated with its own root contact. Each analog channel can be configured to one of the following input or output types:
AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or
DI: max 30Vdc Signals or dry contact

RESI

RESI-C4-A-32DI12RO16AIOX-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
The controller offers 32 digital inputs for DC signals 12-48V= and 12 Form A relay outputs for AC/DC signals. and
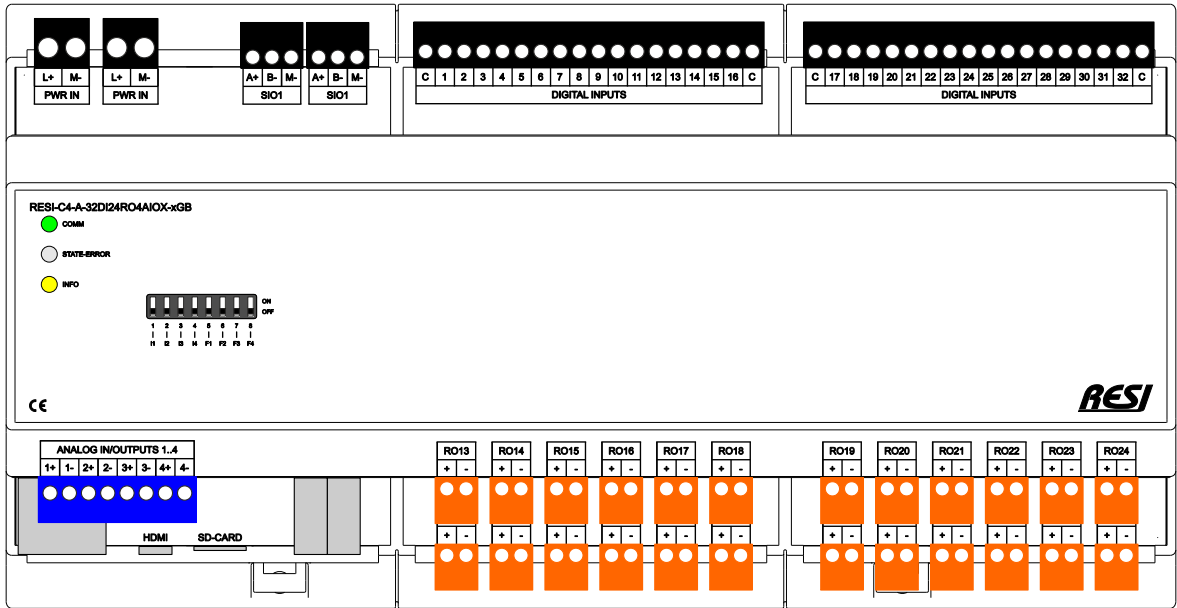16 universal inputs or outputs for analogue or digital signals or RTD sensors.

32 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
12 Relay Outputs	RELAY OUTPUT Form A relays	≤30V= ≤250V~ ≤6A AgSnO₂
16 Universal Channels Analog Input or Analog Output or RTD Inputs or Digital Input	ANALOG INPUT 0/2...10V or 0/4..20mA ANALOG OUTPUT 0/2...10V or 0/4..20mA RTD Sensor Input 0...80Ω 80...200Ω 200...10kΩ 10kΩ...20kΩ 20kΩ...100kΩ 100kΩ...200kΩ 200kΩ...1MΩ LOGIC INPUT or DRY CONTACT	±0.2% 16 Bit ±0.3% 13 Bit 0.5%±0.5 0.3% 0.2% 0.3% 0.8% 1.0% 8.0% 16 Bit ≤40V ≤1.8mA 0.5...24.5mA

Functionality
IoT controller with 32 digital inputs for 12-48Vdc signals and 12 relay outputs for switching AC or DC signals and 16 universal inputs or outputs. All relay outputs are separated with its own root contact. Each analog channel can be configured to one of the following input or output types:
AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact

XT12 213x110x62mm	12-48V= Power supply	
DIN EN 50022 Snap-on for DIN-Rail	ON-WALL Mounting on-wall	Raspberry Pi CM4® inside

RESI

RESI-C4-A-32DI24RO4AIOX-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
The controller offers 32 digital inputs for DC signals 12-48V= and 24 Form A relay outputs for AC/DC signals. and
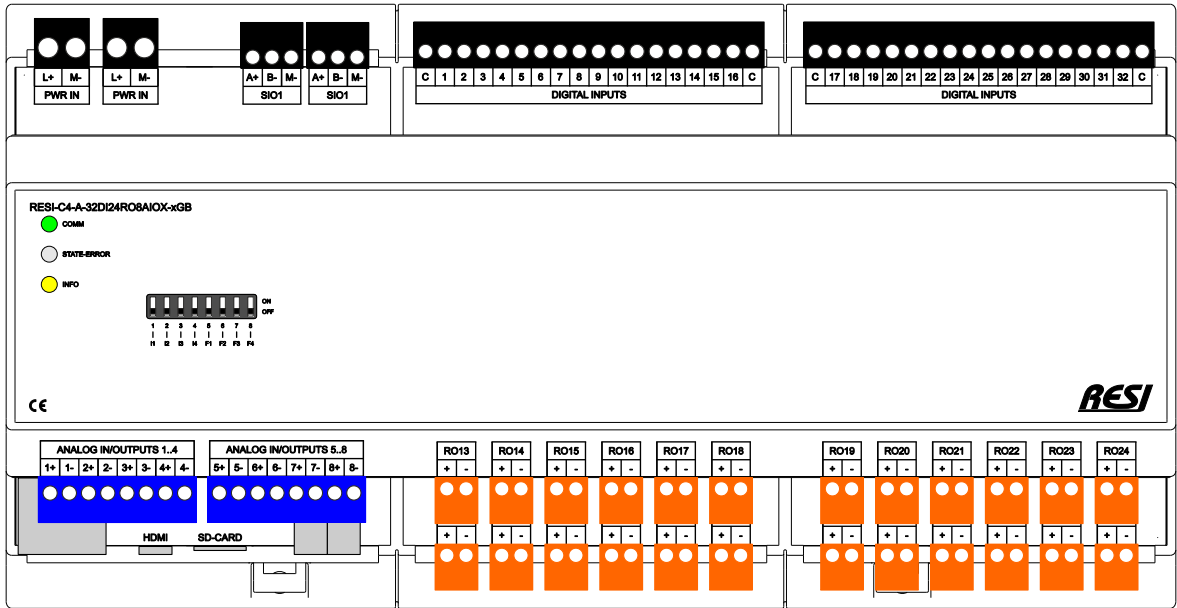4 universal inputs or outputs for analogue or digital signals or RTD sensors.

32 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
24 Relay Outputs	RELAY OUTPUT Form A relays	≤30V= ≤250V~ ≤6A AgSnO₂
4 Universal Channels Analog Input or Analog Output or RTD Inputs or Digital Input	ANALOG INPUT 0/2...10V or 0/4..20mA	±0.2% 16 Bit
	ANALOG OUTPUT 0/2...10V or 0/4..20mA	±0.3% 13 Bit
	RTD Sensor Input 0...80Ω 80...200Ω 200...10kΩ 10kΩ...20kΩ 20kΩ...100kΩ 100kΩ...200kΩ 200kΩ...1MΩ	0.5%±0.5 0.3% 0.2% 0.3% 0.8% 1.0% 8.0% 16 Bit
	LOGIC INPUT or DRY CONTACT	≤40V ≤1.8mA 0.5...24.5mA

XT12 213x110x62mm	12-48V= Power supply	
DIN EN 50022 Snap-on for DIN-Rail	ON-WALL Mounting on-wall	Raspberry Pi CM4® inside

Functionality

IoT controller with 32 digital inputs for 12-48Vdc signals and 24 relay outputs for switching AC or DC signals and 4 universal inputs or outputs. All relay outputs are separated with its own root contact. Each analog channel can be configured to one of the following input or output types:
AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or
DI: max 30Vdc Signals or dry contact

RESI

RESI-C4-A-32DI24RO8AIOX-xGB

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The controller offers 32 digital inputs for DC signals 12-48V= and 24 Form A relay outputs for AC/DC signals. and 8 universal inputs or outputs for analogue or digital signals or RTD sensors.
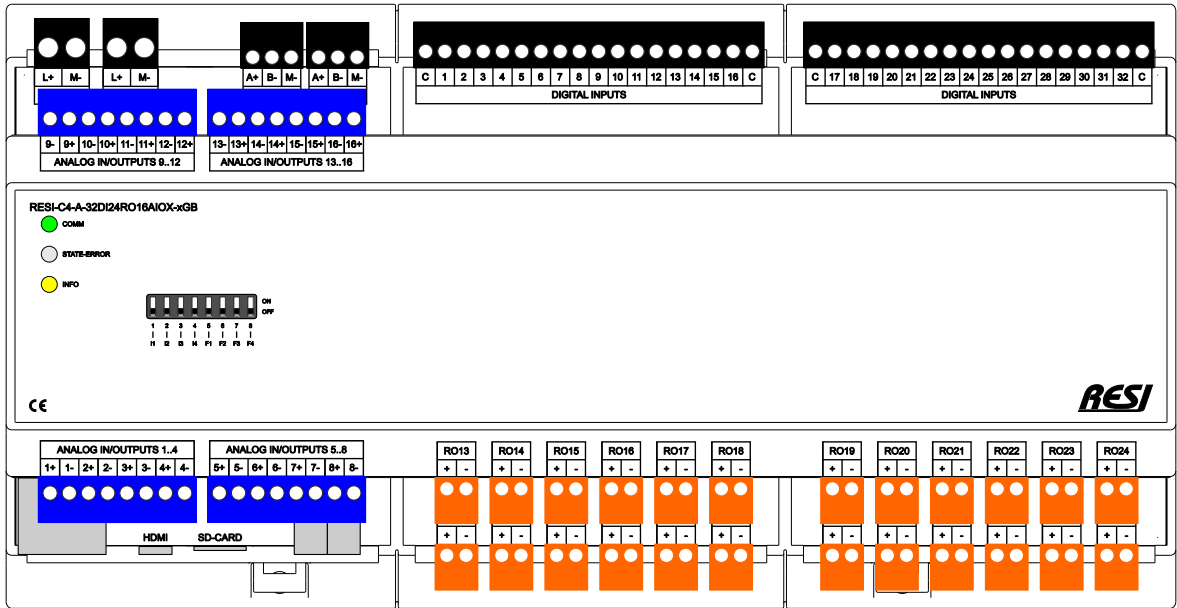

32 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
24 Relay Outputs	RELAY OUTPUT Form A relays	≤30V= ≤250V~ ≤6A AgSnO₂
8 Universal Channels Analog Input or Analog Output or RTD Inputs or Digital Input	ANALOG INPUT 0/2...10V or 0/4..20mA ANALOG OUTPUT 0/2...10V or 0/4..20mA RTD Sensor Input 0...80Ω 80...200Ω 200...10kΩ 10kΩ...20kΩ 20kΩ...100kΩ 100kΩ...200kΩ 200kΩ...1MΩ LOGIC INPUT or DRY CONTACT	±0.2% 16 Bit ±0.3% 13 Bit 0.5%±0.5 0.3% 0.2% 0.3% 0.8% 1.0% 8.0% 16 Bit ≤40V ≤1.8mA 0.5...24.5mA

Functionality

IoT controller with 32 digital inputs for 12-48Vdc signals and 24 relay outputs for switching AC or DC signals and 8 universal inputs or outputs. All relay outputs are separated with its own root contact. Each analog channel can be configured to one of the following input or output types:
AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact

XT12 213x110x62mm	12-48V= Power supply	
DIN EN 50022 Snap-on for DIN-Rail	ON-WALL Mounting on-wall	Raspberry Pi CM4® inside

RESI

RESI-C4-A-32DI24RO16AIOX-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
The controller offers 32 digital inputs for DC signals 12-48V= and 24 Form A relay outputs for AC/DC signals. and 16 universal inputs or outputs for analogue or digital signals or RTD sensors.
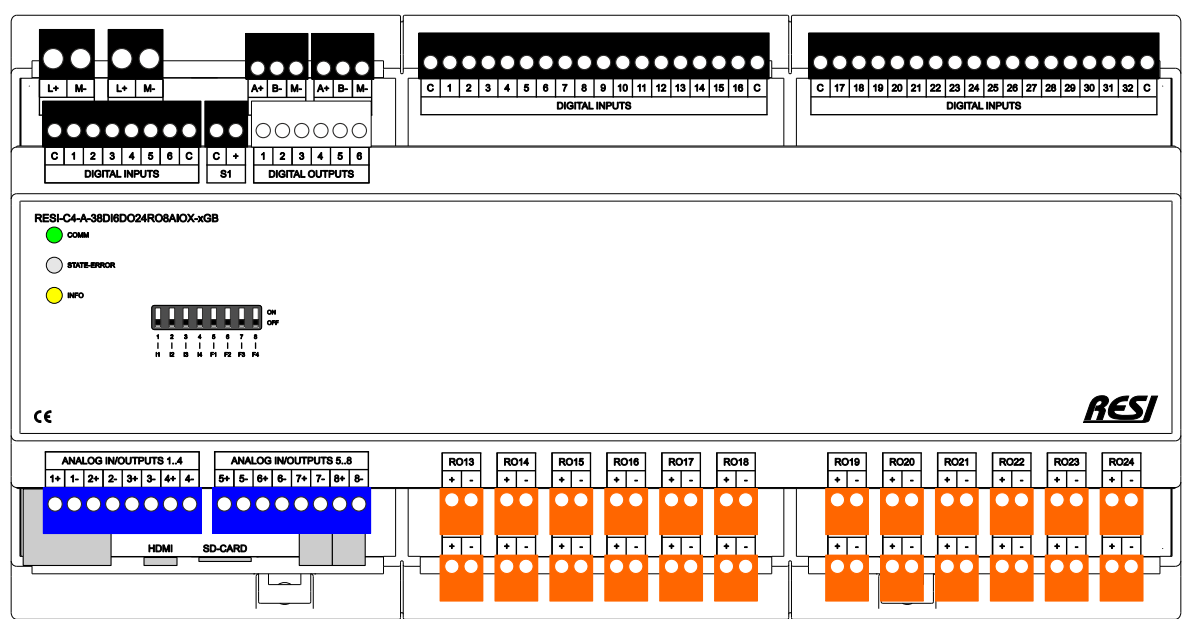

32 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
24 Relay Outputs	RELAY OUTPUT Form A relays	≤30V= ≤250V~ ≤6A AgSnO₂
16 Universal Channels Analog Input or Analog Output or RTD Inputs or Digital Input	ANALOG INPUT 0/2...10V or 0/4..20mA ANALOG OUTPUT 0/2...10V or 0/4..20mA RTD Sensor Input 0...80Ω 80...200Ω 200...10kΩ 10kΩ...20kΩ 20kΩ...100kΩ 100kΩ...200kΩ 200kΩ...1MΩ LOGIC INPUT or DRY CONTACT	±0.2% 16 Bit ±0.3% 13 Bit 0.5%±0.5 0.3% 0.2% 0.3% 0.8% 1.0% 8.0% 16 Bit ≤40V ≤1.8mA 0.5...24.5mA

XT12 213x110x62mm	12-48V= Power supply	
DIN EN 50022 Snap-on for DIN-Rail	ON-WALL Mounting on-wall	Raspberry Pi CM4® inside

Functionality

IoT controller with 32 digital inputs for 12-48Vdc signals and 24 relay outputs for switching AC or DC signals and 16 universal inputs or outputs. All relay outputs are separated with its own root contact. Each analog channel can be configured to one of the following input or output types:
AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc Signals or dry contact
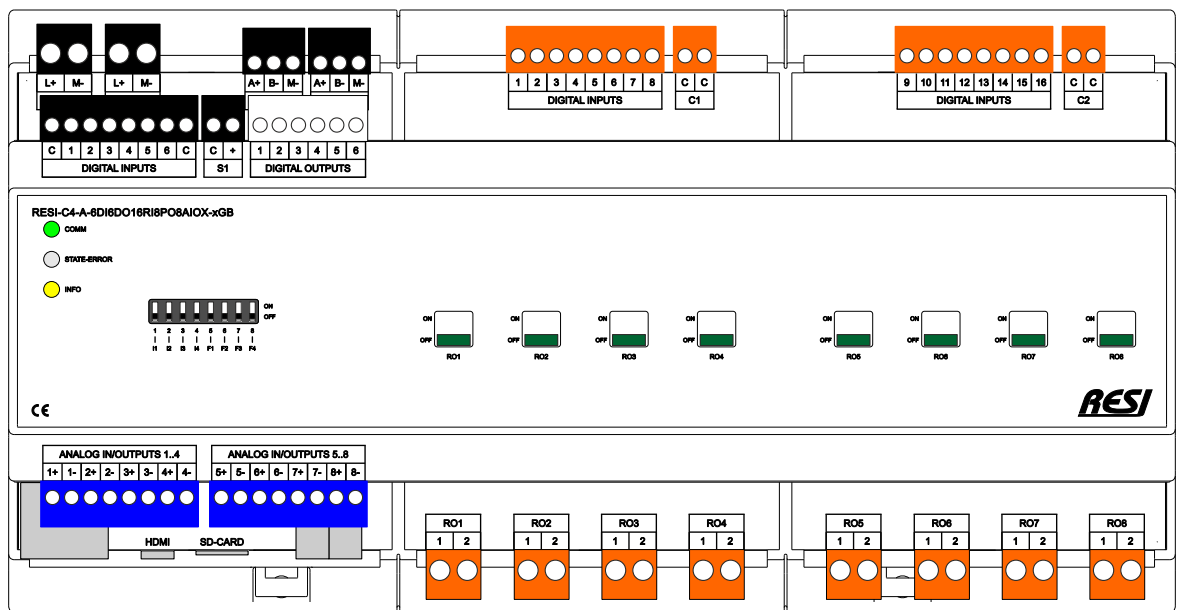
RESI

RESI-C4-A-38DI6DO24RO8AIOX-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
The controller offers 38 digital inputs for DC signals 12-48V= and 6 digital outputs for DC signals ≤30V= and 24 Form A relay outputs for AC/DC signals. and 8 universal inputs or outputs for analogue or digital signals or RTD sensors.

8 Universal Channels Analog Input or Analog Output or RTD Inputs or Digital Input	ANALOG INPUT 0/2...10V or 0/4..20mA ANALOG OUTPUT 0/2...10V or 0/4..20mA RTD Sensor Input 0...80Ω 80...200Ω 200...10kΩ 10kΩ...20kΩ 20kΩ...100kΩ 100kΩ...200kΩ 200kΩ...1MΩ LOGIC INPUT or DRY CONTACT	±0.2% 16 Bit ±0.3% 13 Bit 0.5%±0.5 0.3% 0.2% 0.3% 0.8% 1.0% 8.0% 16 Bit ≤40V ≤1.8mA 0.5...24.5mA	38 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
			6 Digital Outputs	DIGITAL OUTPUT Output is shortcut & over heat protected. Organized in 1 group with 6 outputs each. Each output group is externally supplied. Max. 1.8A power supply for output group.	≤30V= ≤700mA
			24 Relay Outputs	RELAY OUTPUT Form A relays	≤30V= ≤250V~ ≤6A AgSnO₂

XT12 213x110x62mm	12-48V= Power supply	
DIN EN 50022 Snap-on for DIN-Rail	ON-WALL Mounting on-wall	Raspberry Pi CM4® inside

Functionality
IoT controller with 38 digital inputs for 12-48Vdc signals and 6 digital outputs for ≤30Vdc signals and 24 relay outputs for switching AC or DC signals and 8 universal inputs or outputs. Each output group detects power supply, overheat or short cut error. All outputs are galvanic-ally insulated from the rest of the module. All relay outputs are separated with its own root contact. Each analog channel can be configured to one of the following input or output types: AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or DI: max 30Vdc or dry
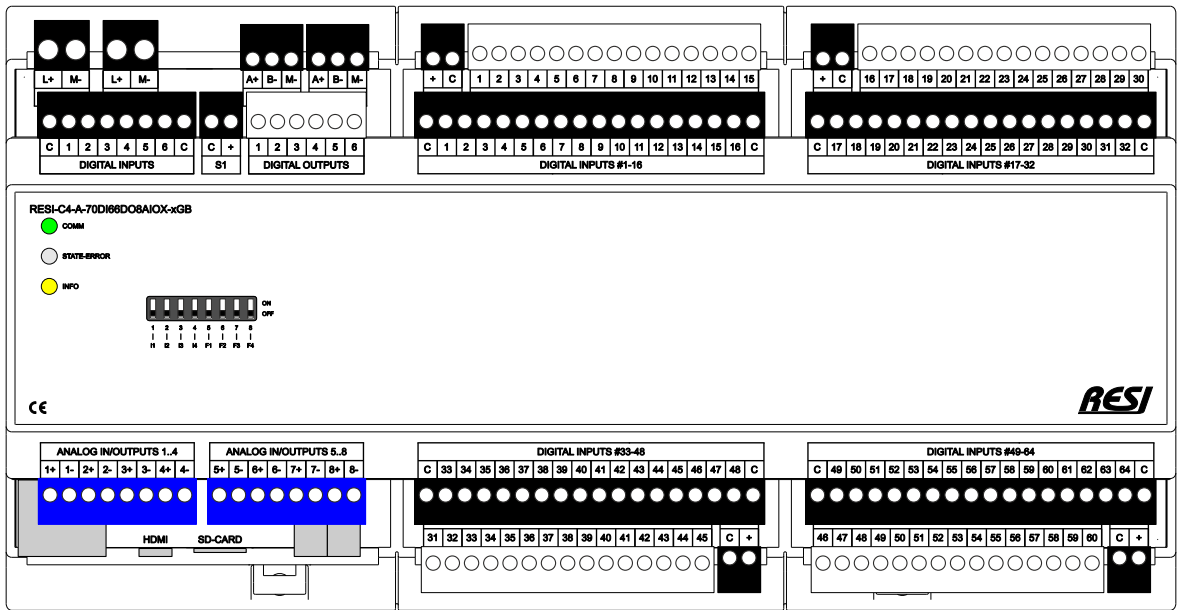
RESI

RESI-C4-A-6DI6DO16RI8PO8AIOX-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
The controller offers 6 digital inputs for DC signals 12-48V=, 6 digital outputs for DC signals ≤30V=, 16 digital inputs for AC or DC signals 12-250V~=, 8 bistable power relay outputs with manual override for AC and DC signals and 8 universal inputs or outputs for analogue or digital signals or RTD sensors.

| 8 Universal Channels

Analog Input
or
Analog Output
or
RTD Inputs
or
Digital Input | ANALOG INPUT
0/2...10V or 0/4..20mA
ANALOG OUTPUT
0/2...10V or 0/4..20mA
RTD Sensor Input
0...80Ω
80...200Ω
200...10kΩ
10kΩ...20kΩ
20kΩ...100kΩ
100kΩ...200kΩ
200kΩ...1MΩ

LOGIC INPUT or
DRY CONTACT | ±0.2%
16 Bit
±0.3%
13 Bit

0.5%±0.5
0.3%
0.2%
0.3%
0.8%
1.0%
8.0%
16 Bit
≤40V ≤1.8mA
0.5...24.5mA |
|---|---|---|

6 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
6 Digital Outputs	DIGITAL OUTPUT
Output is shortcut & over heat protected. Organized in 1 group with 6 outputs each.

Each output group is externally supplied. Max. 1.8A power supply for output group. | ≤30V= ≤700mA |
| 16 Digital Inputs | LOGIC INPUT
galvanic insulated
common contacts per group | 12...250V~= ≤1.8mA |
| 8 bistable Power Relay Outputs | BISTABLE RELAY OUTPUT
Form A | ≤30V= ≤250V~ ≤16A ≤200µF AgSnO₂ |

| XT12
213x110x62mm | 12-48V=
Power supply | |
|---|---|---|
| DIN EN 50022
Snap-on
for DIN-Rail | ON-WALL
Mounting on-wall | Raspberry Pi CM4®
inside |

Functionality

IoT controller with 6 digital inputs for 12-48Vdc signals, 6 digital outputs, 16 digital inputs for 12-250Vac/dc signals and 8 bistable power relay outputs for switching AC or DC signals and 8 universal inputs or outputs. Each analog channel can be configured to one of the following input or output types:
AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or
DI: max 30Vdc Signals or dry contact

RESI

RESI-C4-A-70DI66DO8AIOX-xGB

Our powerful controller for almost any IoT, Building Automation or Industrial Automation task. Based on the Raspberry Pi® Compute Module 4 with 2/4/8GB build in RAM, 32 GB SD CARD and stable 12-48Vdc power supply, 1xEthernet, 2xUSB 2.0, 1xMini-HDMI. LINUX is preinstalled. Additional versions with preinstalled CODESYS® runtime or Node Red, OpenHAB,... available.
The controller offers 70 digital inputs for DC signals 12-48V= and 66 digital outputs for DC signals ≤30V= and
8 universal inputs or outputs for analogue or digital signals or RTD sensors.

70 Digital Inputs	LOGIC INPUT	12...48V= ≤1.8mA
66 Digital Outputs	DIGITAL OUTPUT Output is shortcut & over heat protected. Organized in 4 groups with 15 outputs each and 4 groups with 6 outputs each Each output group is externally supplied. Max. 1.8A power supply for output group.	≤30V= ≤700mA
8 Universal Channels Analog Input or Analog Output or RTD Inputs or Digital Input	ANALOG INPUT 0/2...10V or 0/4..20mA ANALOG OUTPUT 0/2...10V or 0/4..20mA RTD Sensor Input 0...80Ω 80...200Ω 200...10kΩ 10kΩ...20kΩ 20kΩ...100kΩ 100kΩ...200kΩ 200kΩ...1MΩ LOGIC INPUT or DRY CONTACT	±0.2% 16 Bit ±0.3% 13 Bit 0.5%±0.5 0.3% 0.2% 0.3% 0.8% 1.0% 8.0% 16 Bit ≤40V ≤1.8mA 0.5...24.5mA

XT12 213x110x62mm	12-48V= Power supply	
DIN EN 50022 Snap-on for DIN-Rail	ON-WALL Mounting on-wall	Raspberry Pi CM4® inside

Functionality

IoT controller with 70 digital inputs for 12-48Vdc signals, 66 digital outputs for ≤30Vdc signals and 8 universal inputs or outputs. Each output group detects power supply, overheat or short cut error. All outputs are galvanic-ally insulated from the rest of the module. Each analog channel can be configured to one of the following input or output types:
AI: 0/2-10V, 0/4-20mA or AO: 0/2-10V, 0/4-20mA or RTD: 0-1MΩ or
DI: max 30Vdc Signals or dry contact

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