DATASHEET - EASY-E4-UC-12RCX1



Control relays, easyE4 (expandable, Ethernet), 12/24 V DC, 24 V AC, Inputs Digital: 8, of which can be used as analog: 4, screw terminal



Part no. EASY-E4-UC-12RCX1

Catalog No. 197212

EL-Nummer (Norway) 4500547

Delivery program

Basic function	easyE4 basic device	
Description	Electronic control relay with diagnostic LEDs with Ethernet interface Expandable with the easyE4 series of di CONNECT1 connector (Item Y7-197225) Rated operating voltage 12V DC, 24V DC 8 digital inputs, No. of these can be use Digital outputs: 4 relays Screw terminals Delivery with customized user program COMBINATION	d as analog inputs - 4
Inputs		
Digital	8	
of which can be used as analog	4	
Outputs		
Quantity of outputs	Relay: 4	
Additional features		
Real time clock	#	
Expansions	Expandable networkable (Ethernet)	
Supply voltage	12/24 V DC 24 V AC	
Software	EASYSOFT-SWLIC/easySoft 7	

Technical data

General

Solid

delicial		
Standards		EN 61000-6-2 EN 61000-6-3 IEC 60068-2-6 IEC 60068-2-27 IEC 60068-2-30 IEC 61131-2 EN 61010 EN 50178
Approvals		
Approvals		cULus
certificate		CE
shipping classification		DNV GL
		DNV·GL
Dimensions (W x H x D)	mm	71.5 x 90 x 58
Weight	kg	0.192
Mounting		Top-hat rail IEC/EN 60715, 35 mm or screw fixing using fixing brackets ZB4-101-GF1 (accessories)
Connection type		screw terminal
Ethernet		
Connections		RJ45 plug, 8-pin
Cable		CAT5
Terminal capacities		
Screw terminals		

0.2 - 4

Februality Feb	.2 - 2.3				
Solid or stranded		0			
Standard screwdrinver Tighteaning screue Stripping longth Sirpiping longth	2 - 2,5	0,2	1		exible conductor, with ferrule
Tightoning torque	2 - 12	22			tranded
Stripping length mm 6.5	8 x 3.5	0.8	1		screwdriver
Status indicator (LED) Status indicator (LED) Climatic environmental conditions Operating ambient temperature Operating operation Storage Operation Ope	.5 - 0.7	0.9			g torque
Status indicator (LED) Climatic environmental conditions Condensation	5	6.	1		length
Climatic environmental conditions Comparising ambient temperature					
Operating ambient temperature "C 25 to 55, cold as per IEC 60088-2-1, heat as per IEC 60088-2-2. Condensation Take appropriate measures to prevent condensation Storage 40 - 70 -40 - 70 relative humidity 5 - 59 795 - 1080 Air pressure (operation) 8 - 70 795 - 1080 Ambient conditions, mechanical 8 - 120 1820 Protection type (IEC/EN 60529, EN50178, VBG 4) 1820 In accordance with IEC 60088-2-80, 1820 Wibrations 1820 In accordance with IEC 60088-2-6 constant amplitude 0.15 mm: 10 - 57 constant accolaristion 2.9: 57 - 150 Mechanical shock resistance (IEC/EN 60088-2-27) semi-sinusoidal 15 g/11 ms 1 may 50 Drops to IEC/EN 60088-2-31 0 ross train amplitude 0.15 mm: 10 - 57 constant accolaristion 2.9: 57 - 150 150 Pree fall, packaged IEC/EN 60088-2-27) semi-sinusoidal 15 g/11 ms 1 m 50 Vorvoltage category/pollution degree 1 II/2 1 vertical or horizontal Electromagnetic compatibility (EMC) 2 vertical or horizontal 2 vertical or horizontal Electromagnetic fields (RFI) to IEC EN 61000-4.3 4 vertical or horizontal 2 vertical or horizontal Electromagnetic fie	•				•
Condensation Take appropriate measures to prevent condensation Storage 8 °C 40 - 70 relative humidity % in accordance with IEC 60068-2-30, IEC 60068-2-78 Air pressure (operation) hPa 795 - 1080 Ambient conditions, mechanical Protection type (IEC/EN 60029, EN50178, VBG 4) IP 20 Mechanical shock resistance (IEC/EN 60088-2-27) semi-sinusoidal 15 g/11 ms Impacts Impacts Impacts Impacts Impacts 1 mgacts 1					
Storage 8 9 °C 40 - 470 in accordance with IEC 60068-2-30, IEC 60068-2-78 5 - 96 Air prassure (operation) 795 - 1080 Ambient conditions, mechanical Protection type (IEC/EN 60529, EN50178, VBG 4) Vibrations 795 - 1080 Mechanical shock resistance (IEC/EN 60582-27) semi-sinusoidal 15 g/11 ms 1 maccordance with IEC 60068-2-6 constant amplitude 0.15 mm: 10 - 57 constant acceleration 2 g: 57 - 150 Mechanical shock resistance (IEC/EN 60068-2-27) semi-sinusoidal 15 g/11 ms 1 mpacts 18 Drop to IEC/EN 60068-2-31 m 0 3 Mounting position 9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					
relative humidity Air pressure (operation) Ambient conditions, mechanical Protection type (IEC/EN 80529, EN50178, VBG 4) Vibrations Prote fall, packaged (IEC/EN 60068-2-27) semi-sinusoidal 15 g/11 ms Prot to IEC/EN 80088-2-31 Prot to IEC/EN 80088-2-31 Mounting position Overvoltage category/pollution degree III/2 Electromagnetic compatibility (EMC) Protection type (IEC/EN 80088-2-32) Air discharge Contact discharge (ESD) applied standard Air discharge Contact discharge Contact discharge Contact discharge Contact discharge Contact discharge Air discharge Contact discharge Contact discharge Air discharge Contact discharge Live according to IEC EN 61000-4-2 Air discharge Contact discharge Contact discharge Live according to IEC EN 61000-4-2 Air discharge Contact discharge Live according to IEC/EN 61000-4-3 Live according to IEC/EN 61000-4-5 1KV (supply cables, asymmetrical) 2kV (supply cables, asymmetrical) 2kV (supply cables, asymmetrical) Live according to IEC/EN 61000-4-5 1kV (supply cables, asymmetrical)	ake appropriate measures to prevent condensation	Та			1
S - 95 S - 95 Air pressure (operation)				9	
Ambient conditions, mechanical Protection type (IEC/EN 60529, EN50178, VBG 4) Vibrations Mechanical shock resistance (IEC/EN 60068-2-27) semi-sinusoidal 15 g/11 ms Mechanical shock resistance (IEC/EN 60068-2-27) semi-sinusoidal 15 g/11 ms Drop to IEC/EN 60068-2-31 Drop to IEC/EN 60068-2-32) Mounting position Electromagnetic compatibility (EMC) Electrostatic discharge (ESD) applied standard Air discharge Electrostatic discharge (ESD) applied standard Air discharge Electromagnetic fields (RFI) to IEC EN 61000-4-3 Air discharge Electromagnetic fields (RFI) to IEC EN 61000-4-3 Burst Burst Burst Long (IEC/EN 61000-4-5) Live (IEC/EN 61000-4-5) Liv			1		
Protection type (IEC/EN 60529, EN50178, VBG 4) Vibrations Rechanical shock resistance (IEC/EN 60068-2-27) semi-sinusoidal 15 g/11 ms Drop to IEC/EN 60068-2-31 Pree fall, packaged (IEC/EN 60068-2-32) Mounting position Electromagnetic compatibility (EMC) Vibrations Pree fall packaged (IEC/EN 60068-2-32) Mounting position Electrostatid discharge (ESD) applied standard Air discharge Contact discharge Contact discharge Electromagnetic fields (RFI) to IEC EN 61000-4-3 Burst Burst Burst Limitation resistance Limitation resistance Provided to the field of th	35 - 1080	79			
Vibrations Hz	220				
Mechanical shock resistance (IEC/EN 60068-2-27) semi-sinusoidal 15 g/11 ms Drop to IEC/EN 60068-2-31 Drop to IEC/EN 60068-2-30 Mounting position Electromagnetic compatibility (EMC) Overvoltage category/pollution degree Electrostatic discharge (ESD) applied standard Air discharge Contact discharge Electromagnetic fields (RFI) to IEC EN 61000-4-3 Burst Burst KV Burst KV Burst KV Burst KV Burst KV Burst KV Burst Burst KV Burst KV Burst Burst Burst KV Burst Burst Burst KV Burst Burst Burst KV Burst					pe (IEC/EN 60529, EN50178, VBG 4)
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Free fall, packaged (IEC/EN 60068-2-32) Mounting position Electromagnetic compatibility (EMC) Overvoltage category/pollution degree Electrostatic discharge (ESD) applied standard Air discharge Contact discharge Electromagnetic fields (RFI) to IEC EN 61000-4-3 Electromagnetic fields (RFI) to IEC EN 61000-4-3 Burst Burst Burst Lower pulses (Surge) M	3	cts 18			shock resistance (IEC/EN 60068-2-27) semi-sinusoidal 15 g/11 ms
Mounting position Flectromagnetic compatibility (EMC) Overvoltage category/pollution degree Electrostatic discharge (ESD) applied standard Air discharge Contact discharge Contact discharge Electromagnetic fields (RFI) to IEC EN 61000-4-3 V/m 0.8 - 1.0 GHz: 10 1.4 - 2 GHz: 3 2.0 - 2.7 GHz: 1 Radio interference suppression Burst KV according to IEC EN 61000-4-4 Supply cables: 2 Signal cables: 2 Signal cables: 2 Signal cables: 2 Signal cables, asymmetrical) 2 kV (supply cables, asymmetrical) 2 kV (supply cables, asymmetrical) 1 kI (supply cables, asymmetrical) 2 kV (supply cables, asymmetrical) 1 kI (supply cables, asymmetrical) 2 kV (supply cables, asymmetrical)	J	50	ight	D	:N 60068-2-31
Electromagnetic compatibility (EMC) Overvoltage category/pollution degree Electrostatic discharge (ESD) applied standard Air discharge Contact discharge Electromagnetic fields (RFI) to IEC EN 61000-4-3 Electromagnetic fields (RFI) to IEC EN 61000-4-3 W/m 0.8 - 1.0 GHz: 10 1.4 - 2 GHz: 3 2.0 - 2.7 GHz: 1 Radio interference suppression EN 61000-6-3 Class B Burst W/m according to IEC/EN 61000-4-4 Supply cables: 2 Signal cables: 2 power pulses (Surge) EN 61000-4-5 1 kV (supply cables, symmetrical) 2 kV (supply cables, asymmetrical) 1 kV (supply cables, asymmetrical)	3	0.0	ı		kaged (IEC/EN 60068-2-32)
Overvoltage category/pollution degree III/2 Electrostatic discharge (ESD) according to IEC EN 61000-4-2 applied standard kV Air discharge kV Contact discharge kV Electromagnetic fields (RFI) to IEC EN 61000-4-3 V/m 0.8 - 1.0 GHz: 10 1.4 - 2 GHz: 3 2.0 - 2.7 GHz: 1 Radio interference suppression EN 61000-6-3 Class B Burst kV according to IEC/EN 61000-4-4 Supply cables: 2 Signal cables: 2 Signal cables: 2 power pulses (Surge) according to IEC/EN 61000-4-5 1 kV (supply cables, symmetrical) 2 kV (supply cables, asymmetrical) Immunity to line-conducted interference to (IEC/EN 61000-4-6) V 10	ertical or horizontal	Ve			sition
Electrostatic discharge (ESD) applied standard Air discharge kV 8 Contact discharge kV 6 Electromagnetic fields (RFI) to IEC EN 61000-4-3 V/m 0.8 - 1.0 GHz: 10 1.4 - 2 GHz: 3 2.0 - 2.7 GHz: 1 Radio interference suppression EN 61000-6-3 Class B Burst kV according to IEC/EN 61000-4-4 Supply cables: 2 Signal cables: 2 Signal cables: 2 power pulses (Surge) Inmunity to line-conducted interference to (IEC/EN 61000-4-6) Insulation resistance					gnetic compatibility (EMC)
applied standard Air discharge kV 8 Contact discharge kV 6 Electromagnetic fields (RFI) to IEC EN 61000-4-3 V/m 0.8 - 1.0 GHz: 10 1.4 - 2 GHz: 3 2.0 - 2.7 GHz: 1 Radio interference suppression EN 61000-6-3 Class B Burst kV according to IEC/EN 61000-4-4 Supply cables: 2 Signal cables: 2 power pulses (Surge) kV supply cables, symmetrical) Immunity to line-conducted interference to (IEC/EN 61000-4-6) Insulation resistance	1/2	Ш			category/pollution degree
Air discharge kV 8 Contact discharge kV 6 Electromagnetic fields (RFI) to IEC EN 61000-4-3 V/m 0.8 - 1.0 GHz: 10 1.4 - 2 GHz: 3 2.0 - 2.7 GHz: 1 Radio interference suppression EN 61000-6-3 Class B Burst kV according to IEC/EN 61000-4-4 Supply cables: 2 Signal cables: 2 power pulses (Surge) according to IEC/EN 61000-4-5 1 kV (supply cables, symmetrical) 2 kV (supply cables, asymmetrical) Immunity to line-conducted interference to (IEC/EN 61000-4-6) V 10 Insulation resistance					discharge (ESD)
Contact discharge kV 6 Electromagnetic fields (RFI) to IEC EN 61000-4-3 V/m 0.8 - 1.0 GHz: 10 1.4 - 2 GHz: 3 2.0 - 2.7 GHz: 1 Radio interference suppression EN 61000-6-3 Class B Burst kV according to IEC/EN 61000-4-4 Supply cables: 2 Signal cables: 2 Signal cables: 2 power pulses (Surge) according to IEC/EN 61000-4-5 1 kV (supply cables, symmetrical) 2 kV (supply cables, asymmetrical) 1 kV (supply cables, asymmetrical) 2 kV (supply cables, asymmetrical)	ccording to IEC EN 61000-4-2	ac			tandard
Electromagnetic fields (RFI) to IEC EN 61000-4-3 V/m 0.8 - 1.0 GHz: 10 1.4 - 2 GHz: 3 2.0 - 2.7 GHz: 1 Radio interference suppression EN 61000-6-3 Class B Burst kV according to IEC/EN 61000-4-4 Supply cables: 2 Signal cables: 2 power pulses (Surge) according to IEC/EN 61000-4-5 1 kV (supply cables, symmetrical) 2 kV (supply cables, asymmetrical) 1 kV (supply cables, asymmetrical) 2 kV (supply cables, asymmetrical) 1 kV (supply cables, asymmetrical) 2 kV (supply cables, asymmetrical)		8	1		arge
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Burst kV according to IEC/EN 61000-4-4 Supply cables: 2 Signal cables: 2 power pulses (Surge) according to IEC/EN 61000-4-5 1 kV (supply cables, symmetrical) 2 kV (supply cables, asymmetrical) V 10 Insulation resistance	4 - 2 GHz: 3	1.4	,		etic fields (RFI) to IEC EN 61000-4-3
Burst kV according to IEC/EN 61000-4-4 Supply cables: 2 Signal cables: 2 power pulses (Surge) according to IEC/EN 61000-4-5 1 kV (supply cables, symmetrical) 2 kV (supply cables, asymmetrical) V 10 Insulation resistance	N 61000-6-3 Class B	EN			rence suppression
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Insulation resistance	kV (supply cables, symmetrical)	11			s (Surge)
	J	10	,		
Clearance in air and creepage distances nach EN 50178, EN 61010-2-201, UL61010-2-201, CSA-C22.2 NO. 61010-2-201					
	ach EN 50178, EN 61010-2-201, UL61010-2-201, CSA-C22.2 NO. 61010-2-201	na			air and creepage distances
Insulation resistance per EN 50178, EN 61010-2-201, UL61010-2-201, CSA-C22.2 NO. 61010-2-201	er EN 50178, EN 61010-2-201, UL61010-2-201, CSA-C22.2 NO. 61010-2-201	pe			
Back-up of real-time clock	M.				
Back-up of real-time clock		30 30 30 30 30 30 30 30 30 40 40 40 40 40 40 40 40 40 40 40 40 40			∍al-time clock
① Backup time (hours) with fully charged double layer capacitor ② Service life (years)	Service life (years)	2			
Accuracy of real-time clock to inputs s/day typ. ± 2 (± 0.2 h/Year)					real-time clock to inputs
are possible	epending on ambient air temperature fluctuations of up to \pm 5 s/day (\pm 0.5 h/year) re possible				accuracy of timinglaw-
Repetition accuracy of timing relays Accuracy of timing relays (of values) 4 4 0.02	0.02				
Accuracy of timing relays (of values) % ± 0.02	U.UZ	±			unning relays (or values)
Resolution 5					.,,
Range "S" ms 5					
Range "M:S" s 1					
Range "H:M" min 1		1	1		::M"

Power supply

Power supply			
Rated operational voltage	U _e	V	12/24 DC (-15/+20%) 24 AC (-15/+10%)
Permissible range	U _e		10.2 - 28.8 V DC 20.4 - 26.4 V AC
Residual ripple		%	≤ 5
Siemens MPI, (optional)			yes
Frequency		Hz	50/60 (± 5%)
Input current			max. 200 mA at 12 V DC max. 125 mA at 24 V DC
Voltage dips		ms	< 20 ms at 24 V AC 10 ms at 24 V DC 1 ms at 12 V DC
Fuse		Α	≧ 1A (T)
Power loss	P	W	Normally 3
Heat dissipation at 24 V DC Digital inputs 12 V DC		W	3
Number			8
Potential isolation			from power supply: no to the memory card: no to Ethernet: yes between inputs: no from the outputs: yes to expansion devices: yes
Rated operational voltage	U _e	V DC	12
Input voltage		V DC	Condition 0: ≦ 5 (I1 - I8) Condition 1: ≧ 8 (I1 - I8)
Input current at signal 1		mA	1.75 mA (I1 - I4) 0.9 mA (I5 - I8)
Deceleration time		ms	20 (0 -> 1/1 -> 0, Debounce ON) type 0.015 (0 -> 1/1 -> 0, Debounce OFF)
Cable length		m	100 (unshielded)
Frequency counter			
Note			Notes on this, see under Digital inputs 24 V DC
Incremental counter			
Note			Notes on this, see under Digital inputs 24 V DC
Rapid counter inputs			
Note			Notes on this, see under Digital inputs 24 V DC
Digital inputs 24 V DC Number			8
Inputs can be used as analog inputs			4 (15, 16, 17, 18)
Potential isolation			from power supply: no to the memory card: no to Ethernet: yes between inputs: no from the outputs: yes to expansion devices: yes
Rated operational voltage	U _e	V DC	24
Input voltage		V DC	Signal 0: ≦ 5 (I1 - I8) Condition 1: ≧ 15 (I1 - I8)
Input current at signal 1		mA	3.3 (11 – 14) 1.8 (15 – 18)
Deceleration time		ms	20 (0 -> 1/1 -> 0, Debounce ON) type 0.015 (0 -> 1/1 -> 0, Debounce OFF)
Cable length		m	100 (unshielded)
Frequency counter			
Number			4 (11, 12, 13, 14)
Counter frequency		kHz	≦ 10
Pulse shape			Square
Pulse pause ratio			1:1
Cable length		m	≤ 20 (screened)
Incremental counter			
Number of counter inputs Value range			2 (I1 + I2, I3 + I4) -2147483648 to +2147483647

Separa S	Counter frequency		kHz	≦ 10
Signal affaire				Square
Public paster ratio				
Rapid counter largues				
Repet counter inputs Nomber Nomber Valves range Counter frequency Pulse shape Pulse shape Claim frequency Pulse shape Claim frequency Pulse shape Claim frequency Repet shape are risk Claim frequency Repter shape are risk Repter countries shape are risk Repter co			m	
Note the region				_ 25 (65 55 165)
Value range				4 (11 12 13 14)
Mate				
Pulse shuse			kU-	
Pulsa pase ratio 1			KIIZ	
Cable length m \$28 (screened)				
Number			m	
Number Perental isolation Rated operational voltage Rated operational voltage Rated operational voltage Input voltage IAC = sinusoidal) Rated frequency Rated Rate			III	= 20 (Screeneu)
Petential isolation Rated operational voltage Ruted frequency Ruted f				8
Rated operational voltage Rated operational voltage U ₀ VAC 2 Input voltage (AC = sinusoidal) Rated frequency Input current at signal 1 Rated Frequency Input signal 1 Rated Frequen				
Rated operational voltage Rated operational voltage Rated operational voltage Input voltage (AC = ainuscidal) Ua V C Status 0: 25 (11 - 18) Condition 1: 14 (11 - 18) Condition 1: 14 (11 - 18) Rated frequency Based frequency Input current at signal 1 In				to the memory card: no
Retail operational voltage AC - sinusoidal U _o V AC 24				between inputs: no
Reter operational voltage U _e VAC 24 (18) Input voltage (AC = sinusoidal) U _e V _e So 80 Rated frequency PAC So 80 Input current at signal 1 So 80 So 80 Deceleration time Input current at signal 1 In In 18.5 (at 24 VA/DDC) Cable longth In In Intel So (at 24 VA/DDC) In Intel So (at 24 VA/DDC) Cable longth In Intel So (at 24 VA/DDC) Intel So (at 24 VA/DDC) Cable longth In Intel So (at 24 VA/DDC) Intel So (at 24 VA/DDC) Cable longth In Intel So (at 24 VA/DDC) Intel So (at 24 VA/DDC) Cable longth In Intel So (at 24 VA/DDC) Intel So (at 24 VA/DDC) Cable longth In Intel So (at 24 VA/DDC) Intel So (at 24 VA/DDC) Cable longth In Intel So (at 24 VA/DDC) Intel So (at 24 VA/DDC) Cable longth In Intel So (at 24 VA/DDC) Intel So (at 24 VA/DDC) Cable longth In Intel So (at 24 VA/DDC) Intel So (at 24 VA/DDC) Cable longth Intel So (at 24 VA/DDC) Intel So (at 24 VA/DDC) Cable longth Int Intel So (at 24 VA/DDC)				
Input voltage (AC = sinusoidel)	Rated operational voltage	U _e	V AC	
Rated frequency	Input voltage (AC = sinusoidal)		V	Status 0: ≦ 5 (I1 - I8)
Input current at signal 1 Deceleration time Beceleration time Cable length The properties of the p		Ÿ		
	Rated frequency		Hz	50/60
Deceleration time Association time Cable length Amalog inputs Number Potential isolation Potential isolation Input type Association Input	Input current at signal 1		mA	
Cable length Analog inputs Number Potential isolation Potential i	Deceleration time		me	
Number Potential isolation	Deceleration time		1115	
Number Potential isolation	Cable length		m	40 (unshielded)
Potential isolation from power supply: no to the memory card: no to	Analog inputs			
to the memory card: no to Ethernet; yes between inputs: no from the outputs: yes to expansion devices: yes letween inputs: no from the outputs: yes to expansion devices: yes to expansion devices: yes some of the provided	Number			4 (15, 16, 17, 18)
Input type Signal range O-10 V DC Resolution Input impedance Accuracy of actual value wo devices from series Within a single device Conversion time, analog/digital Input current Cable length Relay outputs Number Outputs in groups of Parallel switching of outputs for increased output Protection of an output relay Potential isolation Contacts Conventional thermal current (10 A UL) D C Voltage 0-10 V DC 12 Bit (value 0 - 4095) 13.3 4 13.3 *** *** *** *** *** *** **	Potential isolation			to the memory card: no to Ethernet: yes between inputs: no from the outputs: yes
Signal range Resolution Input impedance Accuracy of actual value two devices from series Within a single device Conversion time, analog/digital ms each CPU cycle Input current Cable length Relay outputs Number Outputs in groups of Parallel switching of outputs for increased output Protection of an output relay Potential isolation Contacts Conventional thermal current (10 A UL) A 2 Bit (value 0 - 4095) 1 2 Bit (value 0 - 4095) 1 3.3 4 2.1 2 V Conversion time, analog/digital ms each CPU cycle and < 1 Cable length Relay outputs The same of	Input type			
Input impedance Accuracy of actual value wo devices from series Within a single device Conversion time, analog/digital Input current Cable length Relay outputs Number Outputs in groups of Parallel switching of outputs for increased output Protection of an output relay Potential isolation Potential isolation Conventional thermal current (10 A UL) A 8 K0 13.3 1.3 1.3 1.3 1.4 1.5 1.7 1.7 1.7 1.7 1.7 1.7 1.7	Signal range			0-10 V DC
Input impedance Accuracy of actual value wo devices from series Within a single device Conversion time, analog/digital Input current Cable length Relay outputs Number Outputs in groups of Parallel switching of outputs for increased output Protection of an output relay Potential isolation Potential isolation Conventional thermal current (10 A UL) A 8 K0 13.3 1.3 1.3 1.3 1.4 1.5 1.7 1.7 1.7 1.7 1.7 1.7 1.7				12 Bit (value 0 - 4095)
Accuracy of actual value two devices from series Within a single device Within a single device Conversion time, analog/digital ms each CPU cycle Input current mA <1 Cable length m = 30, screened Relay outputs Number Outputs in groups of Parallel switching of outputs for increased output Protection of an output relay Potential isolation Potential isolation Conventional thermal current (10 A UL) A = 8	Input impedance		kΩ	
Within a single device Conversion time, analog/digital ms each CPU cycle Input current mA < 1 Cable length m ≤ 30, screened Relay outputs Number Outputs in groups of Parallel switching of outputs for increased output Protection of an output relay Potential isolation Potential isolation Conventional thermal current (10 A UL) A 8				
Within a single device Conversion time, analog/digital ms each CPU cycle Input current mA < 1 Cable length m ≤ 30, screened Relay outputs Number Outputs in groups of Parallel switching of outputs for increased output Protection of an output relay Potential isolation Potential isolation Conventional thermal current (10 A UL) A 8	two devices from series		%	± 3 , ± 0.12 V
Conversion time, analog/digital Input current Inp	Within a single device		%	± 2, ± 0.12 V
Input current Cable length Relay outputs Number Outputs in groups of Parallel switching of outputs for increased output Protection of an output relay Potential isolation Potential isolation Conventional thermal current (10 A UL) MA A A A A A A	-		ms	
Cable length m ≤ 30, screened Relay outputs Number Outputs in groups of Parallel switching of outputs for increased output Protection of an output relay Potential isolation Parallel switching of outputs for increased output Potential isolation Conventional thermal current (10 A UL) m ≤ 30, screened 4 A A A A A A A A				·
Relay outputs Number Outputs in groups of Parallel switching of outputs for increased output Protection of an output relay Potential isolation Safe isolation according to EN 50178: 300 V AC Basic isolation: 600 V AC from power supply: yes From the inputs: yes between outputs: yes to Ethernet: yes to expansion devices: yes Conventional thermal current (10 A UL) A 8				
Number Outputs in groups of 1 Parallel switching of outputs for increased output Protection of an output relay Potential isolation Potential isolation Conventional thermal current (10 A UL) 4 Not allowed Miniature circuit-breaker B16 or slow-blow 8 A fuse Safe isolation according to EN 50178: 300 V AC Basic isolation: 600 V AC from power supply: yes From the inputs: yes between outputs: yes to Ethernet: yes to expansion devices: yes Conventional thermal current (10 A UL) A 8				
Parallel switching of outputs for increased output Protection of an output relay Miniature circuit-breaker B16 or slow-blow 8 A fuse Safe isolation according to EN 50178: 300 V AC Basic isolation: 600 V AC from power supply: yes From the inputs: yes between outputs: yes to Ethernet: yes to expansion devices: yes Conventional thermal current (10 A UL) A 8				4
Protection of an output relay Miniature circuit-breaker B16 or slow-blow 8 A fuse Safe isolation according to EN 50178: 300 V AC Basic isolation: 600 V AC from power supply: yes From the inputs: yes between outputs: yes to Ethernet: yes to expansion devices: yes Conventional thermal current (10 A UL) A 8	Outputs in groups of			1
Potential isolation Safe isolation according to EN 50178: 300 V AC Basic isolation: 600 V AC from power supply: yes From the inputs: yes between outputs: yes to Ethernet: yes to expansion devices: yes Conventional thermal current (10 A UL) A 8	Parallel switching of outputs for increased output			Not allowed
Basic isolation: 600 V AC from power supply: yes From the inputs: yes between outputs: yes to Ethernet: yes to expansion devices: yes Contacts Conventional thermal current (10 A UL) A 8	Protection of an output relay			Miniature circuit-breaker B16 or slow-blow 8 A fuse
Conventional thermal current (10 A UL) A 8	Potential isolation			Basic isolation: 600 V AC from power supply: yes From the inputs: yes between outputs: yes to Ethernet: yes
	Conventional thermal current (10 A UL)		Α	8
Recommended for load: 12 V AC/DC mA > 500	Recommended for load: 12 V AC/DC		mA	> 500
Rated impulse withstand voltage U _{imp} of contact coil kV 6	Rated impulse with stand voltage \mathbf{U}_{imp} of contact coil		kV	6
Rated operational voltage U _e V AC 240	Rated operational voltage	U _e	V AC	240

Rated insulation voltage	Ui	V AC	240
Safe isolation according to EN 50178		V AC	300 between coil and contact 300 between two contacts
Making capacity			
AC15, 250 V AC, 3 A (600 ops./h)	Operations		300000
DC-13, L/R ≤ 150 ms, 24 V DC, 1 A (500 S/h)	Operations		200000
Breaking capacity			
AC-15, 250 V AC, 3 A (600 Ops./h)	Operations		300000
DC-13, L/R ≤ 150 ms, 24 V DC, 1 A (500 S/h)	Operations		200000
Filament bulb load			
1000 W at 230/240 V AC	Operations		25000
500 W at 115/120 V AC	Operations		25000
Fluorescent lamp load			
Fluorescent lamp load 10 x 58 W at 230/240 V AC			
With upstream electrical device	Operations		25000
Uncompensated	Operations		25000
Fluorescent lamp load 1 x 58 W at 230/240 V AC, conventional, compensated	Operations		25000
Switching frequency			
Mechanical operations		x 10 ⁶	10
Switching frequency		Hz	10
Resistive load/lamp load		Hz	2
Inductive load		Hz	0.5
UL/CSA			
Uninterrupted current at 240 V AC		A	10
Uninterrupted current at 24 V DC		A	8
AC			
Control Circuit Rating Codes (utilization category)			B 300 Light Pilot Duty
Max. rated operational voltage		V AC	300
max. thermal continuous current $\cos \varphi = 1$ at B 300		A	5
max. make/break cos φ ≠ capacity 1 at B 300		VA	3600/360
DC			
Control Circuit Rating Codes (utilization category)			R 300 Light Pilot Duty
Max. rated operational voltage		V DC	300
Max. thermal uninterrupted current at R 300		A	1
Max. make/break capacity at R 300		VA	28/28
Supply voltage U _{Aux}		***	20,20
Power loss	P	W	3
Ethernet			
Data transfer rate		Mbit/s	10/100
Connections			RJ45 plug, 8-pin

Data transfer rate	Mbit/s	10/100
Connections		RJ45 plug, 8-pin
Cable		CAT5

Design verification as per IEC/EN 61439

Technical data for design verification			
Static heat dissipation, non-current-dependent	P_{vs}	W	3
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	55
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat			Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects $\frac{1}{2} \left(\frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \right) \left($			Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation			Meets the product standard's requirements.
10.2.5 Lifting			Does not apply, since the entire switchgear needs to be evaluated.

10.2.6 Mechanical impact	Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions	Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES	Meets the product standard's requirements.
10.4 Clearances and creepage distances	Meets the product standard's requirements.
10.5 Protection against electric shock	Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components	Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections	Is the panel builder's responsibility.
10.8 Connections for external conductors	Is the panel builder's responsibility.
10.9 Insulation properties	
10.9.2 Power-frequency electric strength	Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage	Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material	Is the panel builder's responsibility.
10.10 Temperature rise	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating	Is the panel builder's responsibility.
10.12 Electromagnetic compatibility	Is the panel builder's responsibility.
10.13 Mechanical function	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 7.0

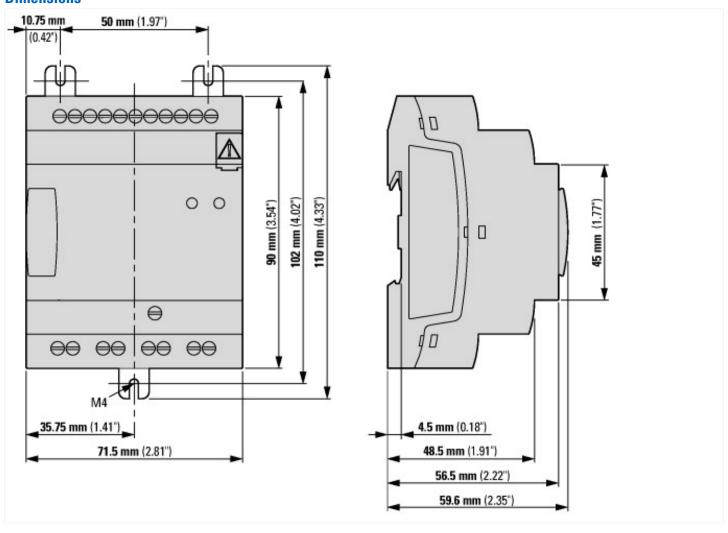
PLC's (EG000024) / Logic module (EC001417)			
Electric engineering, automation, process control engineering / Control / Programm	nable logic control (SI	PS) / Logic module (ecl@ss10.0.1-27-24-22-16 [AKE539014])	
Supply voltage AC 50 Hz	V	20.4 - 28.8	
Supply voltage AC 60 Hz	V	20.4 - 28.8	
Supply voltage DC	V	10.2 - 28.8	
Voltage type of supply voltage		AC/DC	
Switching current	Α	8	
Number of analogue inputs		4	
Number of analogue outputs		0	
Number of digital inputs		8	
Number of digital outputs		4	
With relay output		Yes	
Number of HW-interfaces industrial Ethernet		1	
Number of interfaces PROFINET		0	
Number of HW-interfaces RS-232		0	
Number of HW-interfaces RS-422		0	
Number of HW-interfaces RS-485		0	
Number of HW-interfaces serial TTY		0	
Number of HW-interfaces USB		0	
Number of HW-interfaces parallel		0	
Number of HW-interfaces Wireless		0	
Number of HW-interfaces other		1	
With optical interface		No	
Supporting protocol for TCP/IP		Yes	
Supporting protocol for PROFIBUS		No	
Supporting protocol for CAN		No	
Supporting protocol for INTERBUS		No	
Supporting protocol for ASI		No	
Supporting protocol for KNX		No	
Supporting protocol for MODBUS		Yes	
Supporting protocol for Data-Highway		No	
Supporting protocol for DeviceNet		No	
Supporting protocol for SUCONET		No	
Supporting protocol for LON		No	
Supporting protocol for PROFINET IO		No	
Supporting protocol for PROFINET CBA		No	

Supporting protocol for SSRDOS No Supporting protocol for Fonditiolibus No Supporting protocol for EnderhetitP No Supporting protocol for AS-Interface Safety at Wark No Supporting protocol for Device/her Safety No Supporting protocol for INTERIUS-Safety No Supporting protocol for INTERIUS-Safety No Supporting protocol for SafetyBUSP No Supporting protocol for SafetyBUSP No Radio standard Bustooch No Radio standard Bustooch No Radio standard Bustooch No Radio standard PMXD No Radio standard SM No Relation standard SM </th <th></th> <th></th> <th></th>			
Supporting protocol for AS-Interface Salety at Work 1 No Supporting protocol for AS-Interface Salety at Work 1 No Supporting protocol for AS-Interface Salety at Work 1 No Supporting protocol for NTERBUS-Safety 1 No Supporting protocol for SafetyBUS PARTICIPATION 1 No Supporting protocol for SafetyBUS PARTICIPATION 1 No Radio standard Blustooth 1 No Radio standard SM 1 No Radio standard SM 1 No Radio standard SM 1 No Radio standard UMTS 1 No Redundancy 1 No Rejumental device 2 No Expandable 3 No Expandable 4 No Rali mounting pessible 4 No Rali mounting p	Supporting protocol for SERCOS		No
Supporting protocol for Devise American Safety 1 No Supporting protocol for Devise American Safety No Supporting protocol for Devise American Safety No Supporting protocol for PDFIstate No Supporting protocol for PDFIstate No Supporting protocol for PDFIstate No Supporting protocol for Other bus systems No Radio standard Blustood No Radio standard SMA No Radio standard SMA No Radio standard SMA No Radio standard SMA No Redundancy No Unlink master No Redundancy No With display No Dorrece of protection (IP) No Expandable Yes Expandable Yes Expandable Yes Expandable Yes Expandable Yes Expandable for safety functions Yes Substable for safety functions Yes Substable for safety functions Yes Sub	Supporting protocol for Foundation Fieldbus		No
Supporting protocol for OevicoNet Selfety No Supporting protocol for INTERBUS-Safety No Supporting protocol for SelfetBUS-Safety No Supporting protocol for SelfetBUS Safety No Supporting protocol for SelfetBUS Safety No Supporting protocol for SelfetBUS Safety No Radio standard Butetouh No Radio standard WLAN 88211 No Radio standard GPRS No Radio standard UMS No Radio standard MUNS No Radio standard UMS No Reductandry UMS No Radio standard UMAN No	Supporting protocol for EtherNet/IP		No
Supporting protocol for NTERBUS Saluty Mo Supporting protocol for PROFISES No Supporting protocol for SafetyBUS p No Supporting protocol for Orther bus systems No Radio standard Blustooth No Radio standard Blustooth No Radio standard DRS No Radio standard DRS No Radio standard UMTS No Rodundard UMTS No Rodundard PMS No Rodundard UMTS No Rodundard PMS No Rodundard UMTS No Rodundard PM No Rodundard UMTS No Rodundard PM No Rodundard PM No Rodundard PM No Supporting protocol for Articles No Rodundard UMTS No <	Supporting protocol for AS-Interface Safety at Work		No
Supporting protocol for PROFISEGE No Supporting protocol for SafeyBUS p No Supporting protocol for other bus systems No Radio standard WLAN 80211 No Radio standard WLAN 80211 No Radio standard GSM No Radio standard GMTS No Radio standard GMTS No Redict standard JMTS No Suppose Standard Standard JMTS No Redict standard JMTS No Suppose Standard Standard JMTS No Respectable Standard Standard Standard JMTS No Rall mounting standard Standard JMTS No Rack-sesenby possible No Subble for safety functions No <td>Supporting protocol for DeviceNet Safety</td> <td></td> <td>No</td>	Supporting protocol for DeviceNet Safety		No
Supporting protocol for stratySUS p 6 6 7 8 7 8 8 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9	Supporting protocol for INTERBUS-Safety		No
Supporting protocol for other bus systems 6 6 70 Radio standard Bluetooth 6 70 70 Radio standard WAN 802.11 6 70 70 Radio standard GSM 70 70 70 Radio standard UMTS 70 70 70 Redundancy 70 70 70 Redundancy 70 70 70 Redundancy 70 70 70 Redundancy 70 70 70 With display 70 70 70 Basic device 10 70 70 Expandable 10 70 70 Expandable 70 70 70 Bail mounting possible 70 70 70 Will mounting/direct mounting 70 70 70 Recassably possible 70 70 70 Subseparation for select functions 70 70 70 Laccording to Ex 5588 70 70 </td <td>Supporting protocol for PROFIsafe</td> <td></td> <td>No</td>	Supporting protocol for PROFIsafe		No
Radio standard Buetooth Image: Comment of the Comment of Standard GPRS Image:	Supporting protocol for SafetyBUS p		No
Radio standard WLAN 802.11 No Radio standard GPRS No Radio standard GSM No Radio standard UMTS No 10 link master No With display No Beade device No Expandable Po Expandable No Expandable No Expandable No Expandable No Expandable No With timer No Rail mounting forest mounting Yes Wall mounting forest mounting Yes Rack-assembly possible Yes Rack-assembly possible No Suitable for safety functions Yes State-assembly possible No Suitable for safety functions Yes State-assembly possible No	Supporting protocol for other bus systems		No
Radio standard GPRS No Radio standard SMM No Radio standard UMTS No 10 link master No Redundancy No With display No Degree of protection (IP) IP20 Basic device IP20 Expandable Yes Expandable Yes Expandable Yes Expandable Yes With timer Yes Rail mounting forestable Yes Wall mounting direct mounting Yes Rack-assembly possible No Rack-assembly possible No Rack-assembly possible No Rack-assembly possible No Stateble for safety functions Yes Stateble for safety functions Yes Stateble for safety functions Yes Appendant operation agent (Ex ia) None Appendant operation agent (Ex ia) None Appendant operation agent (Ex ia) None Explosion safety category for dust None	Radio standard Bluetooth		No
Radio standard GSM Mo Radio standard UMTS No 10 link master No Redundancy No With display No Use per eo f protection (IP) P20 Basic davice Yes Expandable Yes Expandable Yes With timer Yes Rail mounting possible Yes Wall mounting/direct mounting Yes Vall mounting/direct mounting Yes Suitable for safety functions Yes Suitable for safety for safety No Suitabl	Radio standard WLAN 802.11		No
Radio standard UMTS No 10 link master No Redundancy No With display No Degree of protection (IP) 120 Basic device 122 Expandable 123 Expandable 124 Expandable 126 Expandable 126 Expandable 126 Expandable 126 Expandable 126 Expandable 128 Wall mounting/direct mounting 128 Forth build in possible 128 Suitable for safety functions 129 Suitable for safety functions 129 Stategory according t	Radio standard GPRS		No
IO link master No Redundancy No With display No Degree of protection (IP) IP20 Basic device Yes Expandable Yes Expansion device No With timer Yes Rail mounting possible Yes Wall mounting/direct mounting Yes Rack-assembly possible Yes Rack-assembly possible No Suitable for safety functions Yes Catagory according to EN 954-1 No SIL according to EN 954-1 None SIL according to EN 954-1 None SIL according to EN 954-1 None Appendant operation agent (Ex ia) None Appendant operation agent (Ex ia) No Appendant operation agent (Ex ia) None Explosion safety category for gas None Explosion safety category for dust None Width None Explosion safety category for dust None Width None Appendant operation a	Radio standard GSM		No
Redundancy No With display No Degree of protection (IP) IP20 Basic device Yes Expandable Yes Expansion device No With timer Yes Rail mounting possible Yes Wall mounting/direct mounting Yes Front build in possible Yes Rack-assembly possible No Suitable for safety functions No Category according to EN 954-1 No Stl according to EC 61508 No Performance level acc. EN ISO 13849-1 No Appendant operation agent (Ex ia) No Appendant operation agent (Ex ia) No Explosion safety category for gas No Explosion safety category for dust No Width No	Radio standard UMTS		No
With display No Degree of protection (IP) IP20 Basic device Yes Expandable Yes Expansion device No With timer Yes Rail mounting possible Yes Wall mounting/direct mounting Yes Front build in possible Yes Rack-assembly possible Yes Suitable for safety functions Yes Category according to EN 954-1 No SIL according to IEC 61508 None Performance level acc. EN ISO 13849-1 None Appendant operation agent (Ex ia) No Appendant operation agent (Ex ia) No Explosion safety category for gas None Explosion safety category for dust None Width None None <td>10 link master</td> <td></td> <td>No</td>	10 link master		No
Degree of protection (IP) IP20 Basic device Yes Expandable Yes Expansion device No With timer Yes Rail mounting possible Yes Wall mounting/direct mounting Yes Front build in possible Yes Rack-assembly possible Yes Suitable for safety functions Yes Category according to EN 954-1 No SIL according to EC 61508 None Performance level acc. EN ISO 13849-1 None Appendant operation agent (Ex ia) No Appendant operation agent (Ex ia) No Appendant operation agent (Ex ia) No Explosion safety category for gas No Explosion safety category for dust None Width None Width None Height None Width None Width None Width None Width None Width None Width	Redundancy		No
Basic device Yes Expandable Yes Expansion device No With timer Yes Rail mounting possible Yes Wall mounting/direct mounting Yes Front build in possible Yes Rack-assembly possible No Suitable for safety functions No Category according to EN 954-1 None SIL according to IEC 61508 None Performance level acc. EN ISO 13849-1 None Appendant operation agent (Ex ia) No Appendant operation agent (Ex ib) No Explosion safety category for gas None Explosion safety category for dust None Width None Width None Width None Width None Width None Explosion safety category for dust None Width None Width None Width None Width None Width None	With display		No
Expandable Yes Expansion device No With timer Yes Rail mounting possible Yes Wall mounting/direct mounting Yes Front build in possible Yes Rack-assembly possible No Suitable for safety functions No Category according to EN 954-1 None SIL according to IEC 61508 None Performance level acc. EN ISO 13849-1 None Appendant operation agent (Ex ia) No Appendant operation agent (Ex ib) No Explosion safety category for gas None Explosion safety category for dust None Width mm 71.5 Height mm 90	Degree of protection (IP)		IP20
Expansion device With timer Rail mounting possible Wall mounting/direct mounting Front build in possible Rack-assembly possible Rack-assembly possible Ruck-assembly possible No Category according to EN 954-1 SIL according to EN 954-1 SIL according to IEC 61508 Performance level acc. EN ISO 13849-1 Appendant operation agent (Ex ia) Appendant operation agent (Ex ib) Ruck-assembly possible No Ruck-assembly possible No None Rydosion safety category for dust Width mm 90	Basic device		Yes
With timer Rail mounting possible Wall mounting/direct mounting Front build in possible Rack-assembly possible Rack-assembly possible Rack-assembly possible Suitable for safety functions Category according to EN 954-1 SIL according to IEC 61508 Performance level acc. EN ISO 13849-1 Appendant operation agent (Ex ia) Appendant operation agent (Ex ib) Explosion safety category for gas Explosion safety category for dust Width Height Min 90	Expandable		Yes
Rail mounting possible Wall mounting/direct mounting Front build in possible Rack-assembly possible Rack-assembly possible Suitable for safety functions Category according to EN 954-1 SIL according to IEC 61508 Performance level acc. EN ISO 13849-1 Appendant operation agent (Ex ia) No Explosion safety category for gas Explosion safety category for dust Width mm 71.5 Height	Expansion device		No
Wall mounting/direct mounting Front build in possible Rack-assembly possible Rack-assembly possible Suitable for safety functions Category according to EN 954-1 SIL according to IEC 61508 Performance level acc. EN ISO 13849-1 Appendant operation agent (Ex ia) Appendant operation agent (Ex ib) Explosion safety category for gas Explosion safety category for dust Width Height Yes Yes Yes Yes No No No No No No None None None None N	With timer		Yes
Front build in possible Rack-assembly possible No Suitable for safety functions No Category according to EN 954-1 None SIL according to IEC 61508 None Performance level acc. EN ISO 13849-1 Appendant operation agent (Ex ia) Appendant operation agent (Ex ib) Explosion safety category for dust Width Height Yes No	Rail mounting possible		Yes
Rack-assembly possible Suitable for safety functions No Category according to EN 954-1 None SIL according to IEC 61508 Performance level acc. EN ISO 13849-1 Appendant operation agent (Ex ia) Appendant operation agent (Ex ib) Explosion safety category for gas Explosion safety category for dust Width Height No No None None None None None None Non	Wall mounting/direct mounting		Yes
Suitable for safety functions Category according to EN 954-1 SIL according to IEC 61508 Performance level acc. EN ISO 13849-1 Appendant operation agent (Ex ia) Appendant operation agent (Ex ib) Explosion safety category for gas None Width Midth	Front build in possible		Yes
Category according to EN 954-1 SIL according to IEC 61508 Performance level acc. EN ISO 13849-1 Appendant operation agent (Ex ia) Appendant operation agent (Ex ib) Explosion safety category for gas Explosion safety category for dust Width Mone Width mm 71.5 Height None	Rack-assembly possible		No
SIL according to IEC 61508 Performance level acc. EN ISO 13849-1 Appendant operation agent (Ex ia) Appendant operation agent (Ex ib) Explosion safety category for gas Explosion safety category for dust Width Mone Width Mone Width Mone 71.5 Height None	Suitable for safety functions		No
Performance level acc. EN ISO 13849-1 Appendant operation agent (Ex ia) Appendant operation agent (Ex ib) Explosion safety category for gas Explosion safety category for dust Width mm 71.5 Height None None None None 90	Category according to EN 954-1		None
Appendant operation agent (Ex ia) Appendant operation agent (Ex ib) Explosion safety category for gas Explosion safety category for dust Width Mone Width Mone 71.5 Height Mo 90	SIL according to IEC 61508		None
Appendant operation agent (Ex ib) Explosion safety category for gas Explosion safety category for dust Width mm 71.5 Height No None None None 90	Performance level acc. EN ISO 13849-1		None
Explosion safety category for gas Explosion safety category for dust Width Midth M	Appendant operation agent (Ex ia)		No
Explosion safety category for dust Width mm 71.5 Height mm 90	Appendant operation agent (Ex ib)		No
Width mm 71.5 Height mm 90	Explosion safety category for gas		None
Height mm 90	Explosion safety category for dust		None
	Width	mm	71.5
Depth mm 58	Height	mm	90
	Depth	mm	58

Approvals

UL File No.	E205091
UL Category Control No.	NRAQ/7
North America Certification	UL listed
Degree of Protection	IEC: IP20, UL/CSA Type: -

Dimensions



Assets (links)

Declaration of CE Conformity

00003208

Instruction Leaflets

IL050020ZU2019_02

Manuals

MN050009_EN (English)

Additional product information (links)

assembly instructions easyE4 IL050020ZU	
assembly instructions easyE4 IL050020ZU	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL050020ZU2019_02.pdf
easyE4 (MN050009) manual	
easyE4 – Handbuch (MN050009) - Deutsch	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN050009_DE.pdf
easyE4 (MN050009) manual - English	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN050009_EN.pdf
Manuale easy E4 (MN050009) - italiano	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN050009_IT.pdf
instrukcja easyE4 (MN050009) - polski	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN050009_PL.pdf
f1=1454&f2=1174&f3=1755;Download Software easySoft V7	http://applications.eaton.eu/sdlc?LX=11&
Product overview (WEB)	http://www.eaton.eu/easyE4