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, Outputs Digital: 4 relais, screw terminal



EASY-E4-UC-12RCX1 Part no.

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 digital input/output expansions with easy-E4- CONNECT1 connector (Item Y7-197225) Rated operating voltage 12V DC, 24V DC or 24V AC 8 digital inputs, No. of these can be used as analog inputs - 4 Digital outputs: 4 relays Screw terminals Delivery with customized user program is possible via Item (Y7) -2010781 EASY- COMBINATION
Inputs	
Digital	8
of which can be used as analog	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		
Standards		EN 61000-6-2 EN 61000-6-3 IEC 60068-2-6 IEC 60068-2-27 IEC 60131-2 EN 61010 EN 50178
Approvals		
Approvals		cULus
shipping classification		DNV GL
Dimensions (W x H x D)	mm	71.5 x 90 x 58
Weight	kg	0.2
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		
Solid	mm^2	0.2/4 (AWG 22 - 12)
Flexible with ferrule	mm^2	0.2 - 2.5
Standard screwdriver	mm	3.5 x 0.8
Max. tightening torque	Nm	0.6
Display		
Status indicator (LED)		Power/RUN Ethernet

Climatic environmental conditions

Climatic environmental conditions			
Operating ambient temperature		°C	-25 to 55, cold as per IEC 60068-2-1, heat as per IEC 60068-2-2
Condensation			Take appropriate measures to prevent condensation
Storage	9	°C	-40 - +70
relative humidity		%	in accordance with IEC 60068-2-30, IEC 60068-2-78 5 - 95
Air pressure (operation)		hPa	795 - 1080
Ambient conditions, mechanical			
Protection type (IEC/EN 60529, EN50178, VBG 4)			IP20
Vibrations		Hz	In accordance 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		Impacts	18
Drop to IEC/EN 60068-2-31	Drop height	mm	50
Free fall, packaged (IEC/EN 60068-2-32)		m	0.3
Mounting position			Vertical or horizontal
Electromagnetic compatibility (EMC)			
Overvoltage category/pollution degree			III/2
Electrostatic discharge (ESD)			
applied standard			according to IEC EN 61000-4-2
		W	-
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			
Insulation resistance Clearance in air and creepage distances			nach EN 50178, EN 61010-2-201, UL61010-2-201, CSA-C22.2 NO. 61010-2-201
			nach EN 50178, EN 61010-2-201, UL61010-2-201, CSA-C22.2 NO. 61010-2-201 per EN 50178, EN 61010-2-201, UL61010-2-201, CSA-C22.2 NO. 61010-2-201
Clearance in air and creepage distances			
Clearance in air and creepage distances Insulation resistance			per EN 50178, EN 61010-2-201, UL61010-2-201, CSA-C22.2 NO. 61010-2-201
Clearance in air and creepage distances Insulation resistance Back-up of real-time clock Back-up of real-time clock		s/dav	per EN 50178, EN 61010-2-201, UL61010-2-201, CSA-C22.2 NO. 61010-2-201 1 Backup time (hours) with fully charged double layer capacitor 2 Service life (years)
Clearance in air and creepage distances Insulation resistance Back-up of real-time clock		s/day	per EN 50178, EN 61010-2-201, UL61010-2-201, CSA-C22.2 NO. 61010-2-201 1 Backup time (hours) with fully charged double layer capacitor 2 Service life (years) typ. ± 2 (± 0.2 h/Year)
Clearance in air and creepage distances Insulation resistance Back-up of real-time clock Back-up of real-time clock		s/day	per EN 50178, EN 61010-2-201, UL61010-2-201, CSA-C22.2 NO. 61010-2-201 1 Backup time (hours) with fully charged double layer capacitor 2 Service life (years)
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Clearance in air and creepage distances Insulation resistance Back-up of real-time clock Back-up of real-time clock Accuracy of real-time clock to inputs		s/day %	per EN 50178, EN 61010-2-201, UL61010-2-201, CSA-C22.2 NO. 61010-2-201 1 Backup time (hours) with fully charged double layer capacitor 2 Service life (years) typ. ± 2 (± 0.2 h/Year) depending on ambient air temperature fluctuations of up to ± 5 s/day (± 0.5 h/year)
Clearance in air and creepage distances Insulation resistance Back-up of real-time clock Back-up of real-time clock Accuracy of real-time clock to inputs Repetition accuracy of timing relays			per EN 50178, EN 61010-2-201, UL61010-2-201, CSA-C22.2 NO. 61010-2-201 1 Backup time (hours) with fully charged double layer capacitor 2 Service life (years) typ. ± 2 (± 0.2 h/Year) depending on ambient air temperature fluctuations of up to ± 5 s/day (± 0.5 h/year) are possible
Clearance in air and creepage distances Insulation resistance Back-up of real-time clock Back-up of real-time clock Accuracy of real-time clock to inputs Repetition accuracy of timing relays Accuracy of timing relays (of values)			per EN 50178, EN 61010-2-201, UL61010-2-201, CSA-C22.2 NO. 61010-2-201 1 Backup time (hours) with fully charged double layer capacitor 2 Service life (years) typ. ± 2 (± 0.2 h/Year) depending on ambient air temperature fluctuations of up to ± 5 s/day (± 0.5 h/year) are possible
Clearance in air and creepage distances Insulation resistance Back-up of real-time clock Back-up of real-time clock Accuracy of real-time clock to inputs Repetition accuracy of timing relays Accuracy of timing relays (of values) Resolution		%	per EN 50178, EN 61010-2-201, UL61010-2-201, CSA-C22.2 NO. 61010-2-201 1 Backup time (hours) with fully charged double layer capacitor 2 Service life (years) typ. ± 2 (± 0.2 h/Year) depending on ambient air temperature fluctuations of up to ± 5 s/day (± 0.5 h/year) are possible ± 0.02
Clearance in air and creepage distances Insulation resistance Back-up of real-time clock Back-up of real-time clock Accuracy of real-time clock to inputs Repetition accuracy of timing relays Accuracy of timing relays (of values) Resolution Range "S" Range "M:S"		% ms	per EN 50178, EN 61010-2-201, UL61010-2-201, CSA-C22.2 NO. 61010-2-201 (i) Backup time (hours) with fully charged double layer capacitor (2) Service life (years) typ. ± 2 (± 0.2 h/Year) depending on ambient air temperature fluctuations of up to ± 5 s/day (± 0.5 h/year) are possible ± 0.02
Clearance in air and creepage distances Insulation resistance Back-up of real-time clock Back-up of real-time clock Accuracy of real-time clock to inputs Repetition accuracy of timing relays Accuracy of timing relays (of values) Resolution Range "S" Range "M:S" Range "H:M"		% ms s	per EN 50178, EN 61010-2-201, UL61010-2-201, CSA-C22.2 NO. 61010-2-201 ① Backup time (hours) with fully charged double layer capacitor ② Service life (years) typ. ± 2 (± 0.2 h/Year) depending on ambient air temperature fluctuations of up to ± 5 s/day (± 0.5 h/year) are possible ± 0.02
Clearance in air and creepage distances Insulation resistance Back-up of real-time clock Back-up of real-time clock Accuracy of real-time clock to inputs Repetition accuracy of timing relays Accuracy of timing relays (of values) Resolution Range "S" Range "M:S"	Ue	% ms s	per EN 50178, EN 61010-2-201, UL61010-2-201, CSA-C22.2 NO. 61010-2-201 ① Backup time (hours) with fully charged double layer capacitor ② Service life (years) typ. ± 2 (± 0.2 h/Year) depending on ambient air temperature fluctuations of up to ± 5 s/day (± 0.5 h/year) are possible ± 0.02
Clearance in air and creepage distances Insulation resistance Back-up of real-time clock Back-up of real-time clock Accuracy of real-time clock to inputs Repetition accuracy of timing relays Accuracy of timing relays (of values) Resolution Range "S" Range "M:S" Range "H:M" Power supply	U _e U _e	% ms s min	per EN 50178, EN 61010-2-201, UL61010-2-201, CSA-C22.2 NO. 61010-2-201 1 Backup time (hours) with fully charged double layer capacitor 2 Service life (years) typ. ± 2 (± 0.2 h/Year) depending on ambient air temperature fluctuations of up to ± 5 s/day (± 0.5 h/year) are possible ± 0.02
Clearance in air and creepage distances Insulation resistance Back-up of real-time clock Back-up of real-time clock Accuracy of real-time clock to inputs Repetition accuracy of timing relays Accuracy of timing relays (of values) Resolution Range "S" Range "M:S" Range "H:M" Power supply Rated operational voltage Permissible range		% ms s min	per EN 50178, EN 61010-2-201, UL61010-2-201, CSA-C22.2 NO. 61010-2-201 (1) Backup time (hours) with fully charged double layer capacitor (2) Service life (years) typ. ± 2 (± 0.2 h/Year) depending on ambient air temperature fluctuations of up to ± 5 s/day (± 0.5 h/year) are possible ± 0.02 5 1 12/24 DC (-15/+20%) 24 AC (-15/+10%) 10.2 - 28.8 V DC
Clearance in air and creepage distances Insulation resistance Back-up of real-time clock Back-up of real-time clock Accuracy of real-time clock to inputs Repetition accuracy of timing relays Accuracy of timing relays (of values) Resolution Range "S" Range "M:S" Range "H:M" Power supply Rated operational voltage Permissible range Residual ripple		% ms s min	per EN 50178, EN 61010-2-201, UL61010-2-201, CSA-C22.2 NO. 61010-2-201 ① Backup time (hours) with fully charged double layer capacitor ② Service life (years) typ. ± 2 (± 0.2 h/Year) depending on ambient air temperature fluctuations of up to ± 5 s/day (± 0.5 h/year) are possible ± 0.02 5 1 1 12/24 DC (-15/+20%) 24 AC (-15/+10%) 10.2 - 28.8 V DC 20.4 - 26.4 V AC ≦ 5
Clearance in air and creepage distances Insulation resistance Back-up of real-time clock Back-up of real-time clock Accuracy of real-time clock to inputs Repetition accuracy of timing relays Accuracy of timing relays (of values) Resolution Range "S" Range "M:S" Range "H:M" Power supply Rated operational voltage Permissible range Residual ripple Siemens MPI, (optional)		% ms s min V	per EN 50178, EN 61010-2-201, UL61010-2-201, CSA-C22.2 NO. 61010-2-201 ① Backup time (hours) with fully charged double layer capacitor ② Service life (years) typ. ± 2 (± 0.2 h/Year) depending on ambient air temperature fluctuations of up to ± 5 s/day (± 0.5 h/year) are possible ± 0.02 5 1 1 1 12/24 DC (-15/+20%) 24 AC (-15/+10%) 10.2 - 28.8 V DC 20.4 - 26.4 V AC ≦ 5 yes
Clearance in air and creepage distances Insulation resistance Back-up of real-time clock Back-up of real-time clock Accuracy of real-time clock to inputs Repetition accuracy of timing relays Accuracy of timing relays (of values) Resolution Range "S" Range "M:S" Range "H:M" Power supply Rated operational voltage Permissible range Residual ripple		% ms s min	per EN 50178, EN 61010-2-201, UL61010-2-201, CSA-C22.2 NO. 61010-2-201 ① Backup time (hours) with fully charged double layer capacitor ② Service life (years) typ. ± 2 (± 0.2 h/Year) depending on ambient air temperature fluctuations of up to ± 5 s/day (± 0.5 h/year) are possible ± 0.02 5 1 1 12/24 DC (-15/+20%) 24 AC (-15/+10%) 10.2 - 28.8 V DC 20.4 - 26.4 V AC ≤ 5 yes 50/60 (± 5%) max. 200 mA at 12 V DC
Clearance in air and creepage distances Insulation resistance Back-up of real-time clock Back-up of real-time clock Accuracy of real-time clock to inputs Repetition accuracy of timing relays Accuracy of timing relays (of values) Resolution Range "S" Range "M:S" Range "H:M" Power supply Rated operational voltage Permissible range Residual ripple Siemens MPI, (optional) Frequency		% ms s min V	per EN 50178, EN 61010-2-201, UL61010-2-201, CSA-C22.2 NO. 61010-2-201 1 Backup time (hours) with fully charged double layer capacitor 2 Service life (years) typ. ± 2 (± 0.2 h/Year) depending on ambient air temperature fluctuations of up to ± 5 s/day (± 0.5 h/year) are possible ± 0.02 5 1 1 1 12/24 DC (-15/+20%) 24 AC (-15/+10%) 10.2 - 28.8 V DC 20.4 - 26.4 V AC ≤ 5 yes 50/60 (± 5%)

			10 ms at 24 V DC 1 ms at 12 V DC
Fuse		Α	≥ 1A (T)
Heat dissipation at 24 V DC		W	3
Digital inputs 12 V DC			
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 Rapid counter inputs			Notes on this, see under Digital inputs 24 V DC
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 (I1 – I4) 1.8 (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			
Number			4 (11, 12, 13, 14)
Counter frequency		kHz	≦ 10
Pulse shape			Square
Pulse pause ratio			1:1
Cable length Incremental counter		m	≤ 20 (screened)
Number of counter inputs			2 (11 + 12, 13 + 14)
Value range			-2147483648 to +2147483647
Counter frequency		kHz	≤ 10
Pulse shape			Square
Signal offset			90°
Pulse pause ratio			1:1
Cable length		m	≤ 20 (screened)
Rapid counter inputs			
Number			4 (11, 12, 13, 14)
Value range			-2147483648 to +2147483647
Value range Counter frequency		kHz	-2147483648 to +2147483647 ≦ 10
		kHz	

Cable length		m	≦ 20 (screened)
Digital inputs 24 V AC			
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 AC	24
Input voltage (AC = sinusoidal)	Ue	V	Status 0: ≦ 5 (I1 - I8) Condition 1: ≧ 14 (I1 - I8)
Rated frequency		Hz	50/60
Input current at signal 1		mA	I1 - I4: 3.5 (at 24 VAC/DC) I5 - I8: 1.8 (at 24 VAC/DC)
Deceleration time Cable length		ms m	45/38 (0 -> 1/1 -> 0, debounce ON 50/60Hz) type 25/21 (0 -> 1/1 -> 0, debounce OFF 50/60Hz) 40 (unshielded)
Analog inputs			
Number			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
Input type			DC voltage
Signal range			0-10 V DC
Resolution			12 Bit (value 0 - 4095)
Input impedance		kΩ	13.3
Accuracy of actual value			
two devices from series		%	± 3 , ± 0.12 V
Within a single device		%	± 2, ± 0.12 V
Conversion time, analog/digital		ms	each CPU cycle
Input current		mA	<1
Cable length Relay outputs Number		m	≤ 30, screened
Outputs in groups of			1
Parallel switching of outputs for increased output			Not allowed
Protection of an output relay			Miniature circuit-breaker B16 or slow-blow 8 A fuse
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
Contacts			
Conventional thermal current (10 A UL)		Α	8
Recommended for load: 12 V AC/DC		mA	> 500
Rated impulse withstand voltage U _{imp} of contact coil		kV	6
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			300000
AC-15, 250 V AC, 3 A (600 Ops./h)	Operations		
	Operations Operations		200000

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		Α	10
Uninterrupted current at 24 V DC		Α	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 ϕ = 1 at B 300		Α	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		Α	1
Max. make/break capacity at R 300		VA	28/28
Ethernet			
Data transfer rate		Mhit/e	10/100

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

Design verification as per IEC/EN 61439

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			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

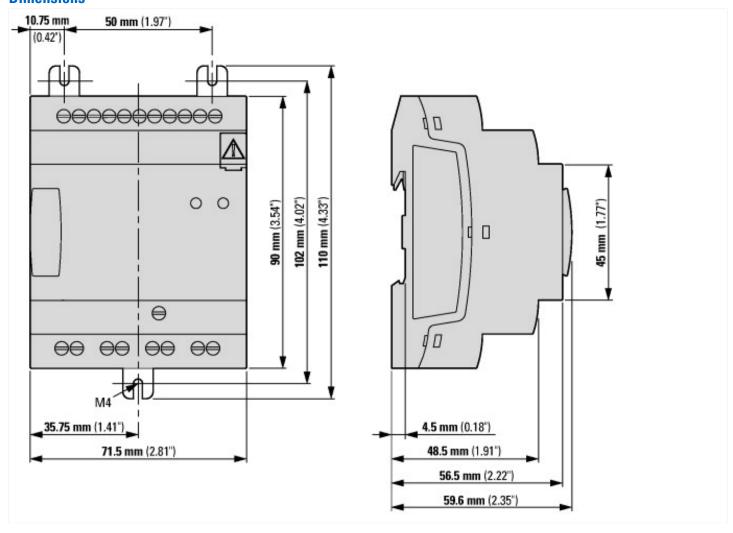
PLC's (EG000024) / Logic module (EC001417)		
Electric engineering, automation, process control engineering / Control / Program		
Supply voltage AC 50 Hz	V	20.4 - 28.8
Supply voltage AC 60 Hz	V	20.4 - 28.8
Supply voltage DC	V	10.2 - 28.8
Voltage type of supply voltage		AC/DC
Switching current	Α	8
Number 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 SERCOS		No
Supporting protocol for Foundation Fieldbus		No
Supporting protocol for EtherNet/IP		No
Supporting protocol for AS-Interface Safety at Work		No
Supporting protocol for DeviceNet Safety		No
Supporting protocol for INTERBUS-Safety		No
Supporting protocol for PROFIsafe		No
Supporting protocol for SafetyBUS p		No
Supporting protocol for other bus systems		No
Radio standard Bluetooth		No
Radio standard WLAN 802.11		No
Radio standard GPRS		No

Radio standard GSM		No
Radio standard UMTS		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
Front build in possible		Yes
Rack-assembly possible		No
Suitable for safety functions		No
Category according to EN 954-1		
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
Depth	mm	58

Approvals

Degree of Protection	IEC: IP20, UL/CSA Type: -
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Dimensions



Assets (links)

Declaration of CE Conformity

00003208

Instruction Leaflets

IL050020ZU2019_02

Manuals

hlr-system/Manual/MN050009_DE (German) hlr-system/Manual/MN050009_EN (English) hlr-system/Manual/MN050009_IT (Italian) hlr-system/Manual/MN050009_PL (Polish)

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/D0CUMENTATION/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/D0CUMENTATION/AWB_MANUALS/MN050009_IT.pdf
instrukcja easyE4 (MN050009) - polski	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN050009_PL.pdf