Products Digita

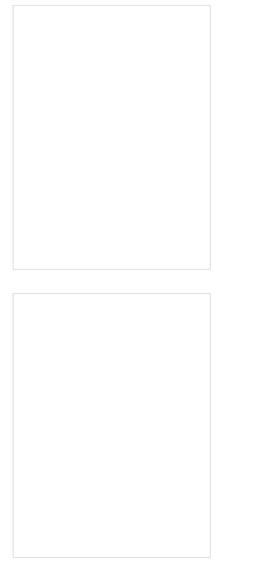
EASYE4 PROGRAMMABLE RELAYS 197215



Specifications



How

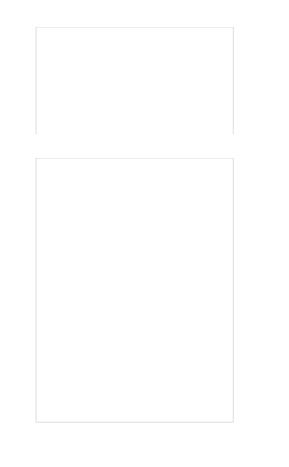


197215

Eaton Moeller® series EASY Control relays easyE4 Ethernet), 100 - 240 VAC, 110 - 220 VDC (cULus: 1 Digital: 8, screw terminal EASY-E4-AC-12RC1

How to buy





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Designed to work together

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197218

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197223

Eaton Moeller® series EASY I/O expansion, For use with easyE4, 12/24 V DC, 24 V AC, Inputs expansion (number) digital: 8, screw terminal Eaton Moeller® series EASY I/O expansion, For use with easyE4, 24 V DC, Inputs expansion (number) analog: 4, screw terminal EASY-E4-DC-6AE1

198513

Eaton XV-102 Touch display for easyE4, 24 V DC, 3.5z, TFTcolor, ethernet

197217

Eaton Moeller® series EASY I/C For use with easyE4, 12/24 V D AC, Inputs expansion (number) screw terminal

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GENERAL SPECIFICATIONS

General specifications >	PRODUCTNAME	Eaton Moeller® series EASY Control relay
	CATALOG NUMBER	197215
Product specifications >	MODEL CODE	EASY-E4-AC-12RC1
	EAN	4015081939442
	PRODUCT LENGTH/DEPTH	58 mm
	PRODUCT HEIGHT	90 mm
	PRODUCT WIDTH	72 mm
	PRODUCT WEIGHT	0.25 kg
	CERTIFICATIONS	EN 61010 IEC/EN 61000-6-2 CULus per UL 61010 IEC/EN 61000-4-2 IEC/EN 61131-2 IEC 60068-2-30 CSA-C22.2 No. 61010 EN 50178 IEC 60068-2-30 IEC 60068-2-27 IEC 60068-2-27 IEC 60068-2-6 IEC/EN 61000-6-3 UL Listed UL Category Control No.: NRAQ, NRAQ7 UL File No.: E205091 DNV GL CE UL hazardous location class I UL hazardous location division 2 UL hazardous location group A (acetylene) UL hazardous location group B (hydrogen) UL hazardous location group B (hydrogen) UL hazardous location group C (ethylene)
_		UL hazardous location group D (propane)

Accuracy of the real-time clock depending on ambien fluctuations of up to $\pm\,5$ s/day ($\pm\,0.5$ h/year) are possible fluctuations of up to $\pm\,5$ s/day ($\pm\,0.5$ h/year)

CATALOG NOTES

PRODUCT SPECIFICATIONS

RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN) 0 A

10.11 SHORT-CIRCUIT RATING

Is the panel builder's responsibility.

Max. 300 V DC 100/110/115/120/230/240 AC (-15 %/+10 %) 85 - 264 V AC Max. 300 V AC 110/120 V DC (power supply) 240 V AC

RATED OPERATIONAL VOLTAGE

10.4 CLEARANCES AND CREEPAGE DISTANCES	Meets the product standard's requirements.
CABLE TYPE	CAT5
MOUNTING METHOD	Screw fixing using fixing brackets ZB4-101-GF1 (a Rail mounting possible Top-hat rail fixing (according to IEC/EN 60715, 35 Wall mounting/direct mounting Front build in possible
AIR PRESSURE	795 - 1080 hPa (operation)
10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES	Meets the product standard's requirements.
AMBIENT STO RAGE TEMPERATURE - MIN	-40 °C
SURGE RATING	1 kV, Supply cables, symmetrical, power pulses (S According to IEC/EN 61000-4-5, power pulses (Su 2 kV, Supply cables, asymmetrical, power pulses (S
FITTED WITH:	Relay output Timer Keypad Display Real time clock
VIBRATION RESISTANCE	According to IEC/EN 60068-2-6 57 - 150 Hz, 2 g constant acceleration 10 - 57 Hz, 0.15 mm constant amplitude
MAKING/BREAKING CAPACITY	3600/360 VA (AC, at B 300) 28/28 VA (DC, at R 300)
EXPLOSION SAFETY CATEGORY FOR GAS	None
AMBIENT OPERATING TEMPERATURE - MAX	55 °C
SWITCHING CURRENT	8 A
SWITCHING FREQUENCY	10 Hz, Relay outputs2 Hz, Resistive load/lamp load, Relay outputs0.5 Hz, Inductive load, Relay outputs
FEATURES	Networkable (Ethernet) Expandable Display indication of 6 lines x 16 characters
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
NUMBER OF HW-INTERFACES (SERIAL TTY)	0
SUPPLY VOLTAGE AT AC, 60 HZ - MAX	264 VAC
10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS	Does not apply, since the entire switchgear needs to
10.2.6 MECHANICAL IMPACT	Does not apply, since the entire switchgear needs to
10.3 DEGREE OF PROTECTION OF ASSEMBLIES	Meets the product standard's requirements.
VOLTAGE TYPE	AC

Between Relay outputs and expansion devio Between Digital inputs 115/230 V AC: no Between Relay outputs and Inputs 115/230 V AC and Between Digital inputs 115/230 V AC and Between Digital inputs 115/230 V AC and Between Digital inputs 115/230 V AC and Between Relay outputs and Elhernet: yes Basic isolation: 600 V AC (Relay outputs) Between Relay outputs and Elhernet: yes Between Relay outputs and Elhernet: yes Between Digital inputs 115/230 V AC and Safe isolation: 600 V AC (Relay outputs) Between Relay outputs and Elhernet: yes Between Digital inputs 115/230 V AC and Safe isolation: 600 V AC (Relay outputs) Between Digital inputs 115/230 V AC and Between Relay outputs and Enhernet yes Between Digital inputs 115/230 V AC and Between Digital inputs 115/230 V AC and Between Relay outputs and Enhernet yes Between Digital inputs 115/230 V AC and Between Relay outputs and Enhernet yes Between Digital inputs 115/230 V AC and Between Relay outputs and Enhernet yes Between Relay outputs and Enhernet yes Between Digital inputs 115/230 V AC and Between Relay outputs and Enhernet yes Between Digital inputs 115/230 V AC and Between Relay outputs and Enhernet yes Between Relay outputs and Enhernet yes Bet	CATEGORY (EN 954-1)	None
Botween Bedgy outputs and equansion devia Between Digital inputs 115/230 VAC and Between Digital inputs 115/230 VAC and set isolation according to DIS/07/8: 300 Between Digital inputs 115/230 VAC and Set isolation according to DIS/07/8: 300 Between Digital inputs 115/230 VAC and Set isolation according to DIS/07/8: 300 Between Digital inputs 115/230 VAC and Cancel Set isolation according to DIS/07/8: 300 Between Digital inputs 115/230 VAC and Cancel Set isolation according to DIS/07/8: 300 Between Digital inputs 115/230 VAC and Cancel Set isolation according to DIS/07/8: 300 Between Digital inputs 115/230 VAC and Cancel Set isolation according to DIS/07/8: 300 CancelRENDLATIONCLO display used as status indication of DI 0.2 - 2 mm² (AWG 22 - 12), solid 0.2 - 2 m² (AWG 22 - 2), discoled as status indication of DI 0.2 - 2 m² (AWG 22 - 2), d	PRODUCT CATEGORY	Control relays easyE4
RENIDUAL RIPPLE ≤5 % INDICATION LCD-display used as status indication of Di TERMINAL CAPACITY 0.2 - 4 mm² (AWG 22 - 12), solid 0.2 - 2.5 mm² (22 - 12 AWG), fexible with HEAT DISSIPATION CAPACITY PDISS 0 W NUMBER OF HW-INTERFACES (RS-422) 0 INSULATION RESISTANCE According to EN 50178, EN 61010-2-201, NO. 61010-2-201, NO. 61010-2-201 POWER LOSS 10 W OUTPUT S0 mA (Relay outputs in groups of 1 4 Relay Outputs) Voltage Current ELECTROMAGNETIC FIELDS 3 V/m at 1.4 - 2 GHz (according to IEC EN Voltage Current S0 ONA (NELINY ONTACTS (1-POLE, OPEN) 8 A INRUSH CURRENT 12.5 A (for 6 ms) PROTOCOL IS the pand builder's responsibility. OVERVOLTAGE CATEGORY III DEGREE OF PROTECTION IP20	POTENTIAL ISOLATION	 Between Relay outputs and Inputs: yes Between Digital inputs 115/230 V AC and base un Between Digital inputs 115/230 V AC and Outputs Between Digital inputs 115/230 V AC and Ethemet Between Relay outputs and Ethemet: yes Basic isolation: 600 V AC (Relay outputs) Between Digital inputs 115/230 V AC and expansi Safe isolation according to EN 50178: 300 V AC (Interpreted to the second to the
INDICATIONLCD-display used as status indication of D2INPURATION0.2 - 4 mm² (AWG 22 - 12, solid 0.2 - 2.5 mm² (22 - 12 AWG), fexible with 0.2 - 2.5 mm² (22 - 12 AWG), fexible with 0.2 - 2.5 mm² (22 - 12 AWG), fexible with 0.2 - 2.5 mm² (22 - 12 AWG), fexible with 0.0 WINUMBER OF HW-INTERFACES (RS-422)0INSULATION RESISTANCEAccording to EN 50178, EN 61010-2-201, NO. 61010-2-201POWER LOSS10 WOUTPUTRelay Outputs in groups of 1 4 Relay Outputs > 500 mA (Relay outputs, Recommended f Voltage CurrentELECTROMAGNETIC FIELDS3 V/m at 1.4 - 2 GHz (according to IEC EN 1 V/m at 2.0 - 2.7 GHz (according to IEC EN 1 0 V/m at 0.8 - 1.0 GHz (according to IEC EN 1 0 V/m at 0.8 - 1.0 GHz (according to IEC IN 1 0 V/m	RADIO INTERFERENCE CLASS	Class B (EN 61000-6-3)
TERMINAL CAPACITY0.2 - 4 mm² (AWG 22 - 12, solid 0.2 - 2.5 mm² (22 - 12 AWG), flexible with 0.2 - 2.5 mm² (22 - 12 AWG), flexible with 0.2 - 2.5 mm² (22 - 12 AWG), flexible with 0.0 WNUMBER OF HW-INTERFACES (RS-422)0NUMBER OF HW-INTERFACES (RS-422)0POWER LOSS10 WPOWER LOSS10 WOUTPUTRelay outputs in groups of 1 4 Relay outputs in groups of 1 4 Relay outputs, Recommended i Voltage CurrentELECTROMAGNETIC FIELDS3 V/m at 1.4 - 2 GHz (according to IEC EN 1 V/m at 2.0 - 2.7 GHz (according to IEC EN 1 V/m at 2.0 - 2.7 GHz (according to IEC EN 1 V/m at 0.8 - 1.0 GHz (according to IEC EN 1 V/m at 0.8 - 1.0 GHz (according to IEC EN 1 V/m at 0.8 - 1.0 GHz (according to IEC EN 1 V/m at 0.8 - 1.0 GHz (according to IEC EN 1 V/m at 0.8 - 1.0 GHz (according to IEC EN 1 V/m at 0.8 - 1.0 GHz (according to IEC EN 1 V/m at 0.8 - 1.0 GHz (according to IEC EN 1 0 V/m at 0.8 - 1.0 GHz (according to IEC EN 1 0 V/m at 0.8 - 1.0 GHz (according to IEC EN 1 0 V/m at 0.8 - 1.0 GHz (according to IEC EN 1 0 V/m at 0.8 - 1.0 GHz (according to IEC EN 1 0 V/m at 0.8 - 1.0 GHz (according to IEC EN 1 0 V/m at 0.8 - 1.0 GHz (according to IEC EN 1 0 V/m at 0.8 - 1.0 GHz (according to IEC EN 1 0 V/m at 0.8 - 1.0 GHz (according to IEC EN 1 0 V/m at 0.8 - 1.0 GHz (according to IEC EN 1 0 V/m at 0.8 - 1.0 GHz (according to IEC ENC ENC ENC ENC ENC ENC ENC ENC ENC E	RESIDUAL RIPPLE	≤5 %
IFEMIINAL CAPACITY 0.2 - 2.5 mm² (22 - 12 AWG), flexible with HEAT DISSIPATION CAPACITY PDISS 0 W NUMBER OF HW-INTERFACES (RS-422) 0 INSULATION RESISTANCE According to EN 50178, EN 61010-2-201, NO. 61010-2-201 POWER LOSS 10 W OUTPUT Relay outputs in groups of 1 4 Relay Outputs is groups of 1 4 Relay Outputs > 500 mA (Relay outputs, Recommended f Voltage Current ELECTROMAGNETIC FIELDS 3 V/m at 1.4 - 2 GHz (according to IEC EN 1 V/m at 2.0 - 2.7 GHz (according to IEC I 10 V/m at 0.8 - 1.0 GHZ (according to IEC I 10	INDICATION	LCD-display used as status indication of Digital in
NUMBER OF HW-INTERFACES (RS-422)0INSULATION RESISTANCEAccording to EN 50178, EN 61010-2-201, NO. 61010-2-201POWER LOSS10 WOUTPUTRelay outputs in groups of 1 4 Relay Outputs > 500 mA (Relay outputs, Recommended A Voltage CurrentELECTROMAGNETIC FIELDS3//m at 1.4 - 2 GH2 (according to IEC EN 1 V/m at 2.0 - 2.7 GH2 (according to IEC EN 10 V/m at 0.8 - 1.0 GH2 (accordi	TERMINAL CAPACITY	0.2 - 4 mm ² (AWG 22 - 12), solid 0.2 - 2.5 mm ² (22 - 12 AWG), flexible with femule
INSULATION RESISTANCEAccording to EN 50178, EN 61010-2-201, NO. 61010-2-201POWER LOSS10 WOUTPUTRelay outputs in groups of 1 4 Relay Outputs > 500 mA (Relay outputs, Recommended f 	HEAT DISSIPATION CAPACITY PDISS	0 W
INSULATION RESISTANCENO. 61010-2-201POWER LOSS10 WCurrentRelay outputs in groups of 1 4 Relay Outputs > 500 mA (Relay outputs, Recommended f Voltage CurrentOUTPUT3 V/m at 1.4 - 2 GHz (according to IEC EN 1 V/m at 2.0 - 2.7 GHz (according to IEC EN 1 V/m at 2.0 - 2.7 GHz (according to IEC EN 1 V/m at 0.8 - 1.0 GHz (according to IEC EN 10 V/m at 0.8 - 1.0 GHz (according to IEC EN 10 V/m at 0.8 - 1.0 GHz (according to IEC EN 10 V/m at 0.8 - 1.0 GHz (according to IEC EN 10 V/m at 0.8 - 1.0 GHz (according to IEC EN 10 V/m at 0.8 - 1.0 GHz (according to IEC EN 10 V/m at 0.8 - 1.0 GHz (according to IEC EN ENCED ENCLIDED ENC	NUMBER OF HW-INTERFACES (RS-422)	0
OUTPUTRelay outputs in groups of 1 4 Relay Outputs > 500 mA (Relay outputs, Recommended f Voltage CurrentELECTROMAGNETIC FIELDS3 V/m at 1.4 - 2 GHz (according to IEC EN 1 V/m at 2.0 - 2.7 GHz (according to IEC EN 1 V/m at 0.8 - 1.0 GHz (according to IEC EN 10 V/m at 0.8 - 1.0 GHz (according to IEC EN 10 V/m at 0.8 - 1.0 GHz (according to IEC EN 10 V/m at 0.8 - 1.0 GHz (according to IEC EN 10 V/m at 0.8 - 1.0 GHz (according to IEC EN 10 V/m at 0.8 - 1.0 GHz (according to IEC EN 10 V/m at 0.8 - 1.0 GHz (according to IEC EN 10 V/m at 0.8 - 1.0 GHz (according to IEC EN 10 V/m at 0.8 - 1.0 GHz (according to IEC EN ENCYMAGNETIC STRENGTHPROTOCOLTCP/IP MODBUSOVERVOLTAGE CATEGORYIIIIIIIIIDEGREE OF PROTECTIONIP20	INSULATION RESISTANCE	According to EN 50178, EN 61010-2-201, UL6102 NO. 61010-2-201
OUTPUT4 Relay Outputs > 500 mA (Relay outputs, Recommended if Voltage CurrentELECTROMAGNETIC FIELDS3 V/m at 1.4 - 2 GHz (according to IEC EN 	POWER LOSS	10 W
ELECTROMAGNENC FIELDS1 V/m at 2.0 - 2.7 GHz (according to IEC II 0 V/m at 0.8 - 1.0 GHz (according to II 0 V/m at 0.8 - 1.0 GHz (according to II 0 V/m at 0.8 - 1.0 GHz (according to IEC II 0 V/m at 0.8 - 1.0 GHz (according to II 0 V/m at 0.8 - 1.0 GHz (according to II 0 V/m at 0.8 - 1.0 GHz (according to II 0 V/m at 0.8 - 1.0 GHz (according to II 0 V/m at 0.8 - 1.0 GHz (according to II 0 V/m at 0.8 - 1.0 GHz (according to II 0 V/m at 0.8 - 1.0 GHz (according to II 0 V/m at 0.8 - 1.0 GHz (according to II 0 V/m at 0.8 - 1.0 GHz (according to II 0 V/m at 0.8 - 1.0 G	OUTPUT	4 Relay Outputs > 500 mA (Relay outputs, Recommended for load: Voltage
AUXILIARY CONTACTS (1-POLE, OPEN)8 AINRUSH CURRENT12.5 A (for 6 ms)PROTOCOLTCP/IP MODBUS10.9.2 POWER-FREQUENCY ELECTRIC STRENGTHIs the panel builder's responsibility.OVERVOLTAGE CATEGORYIIIDEGREE OF PROTECTIONIP20	ELECTROMAGNETIC FIELDS	3 V/m at 1.4 - 2 GHz (according to IEC EN 61000 1 V/m at 2.0 - 2.7 GHz (according to IEC EN 6100 10 V/m at 0.8 - 1.0 GHz (according to IEC EN 610
PROTOCOLTCP/IP MODBUS10.9.2 POWER-FREQUENCY ELECTRIC STRENGTHIs the panel builder's responsibility.OVERVOLTAGE CATEGORYIIIDEGREE OF PROTECTIONIP20		8 A
PROTOCOL MODBUS 10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH Is the panel builder's responsibility. OVERVOLTAGE CATEGORY III DEGREE OF PROTECTION IP20	INRUSH CURRENT	12.5 A (for 6 ms)
OVERVOLTAGE CATEGORY III DEGREE OF PROTECTION IP20	PROTOCOL	
DEGREE OF PROTECTION IP20	10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	Is the panel builder's responsibility.
	OVERVOLTAGE CATEGORY	Ш
PARALLEL SWITCHING Not permitted	DEGREE OF PROTECTION	IP20
	PARALLEL SWITCHING	Not permitted
5/10	5/10	

AMBIENT STORAGE TEMPERATURE - MAX

70 °C

INPUT VOLTAGE	Condition 0: 0 - 40 V AC, Digital inputs, 115/230 Condition 1: 79 - 264 V AC, Digital inputs, 115/2
POLLUTION DEGREE	2
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	6 kV (contact-coil)
SIL (IEC 61508)	None
TIGHTENING TO RQUE	0.6 Nm, Screw terminals
INPUT FREQ UENCY	50/60 Hz (Digital inputs, at 115/230 V AC) 50/60 Hz (Digital inputs, at 24 V DC)
ТҮРЕ	easyE4 base device
10.2.2 CORROSION RESISTANCE	Meets the product standard's requirements.
SUPPLY FREQUENCY	50/60 Hz (± 5%)
10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	Meets the product standard's requirements.
10.2.7 INSCRIPTIONS	Meets the product standard's requirements.
ENVIRONMENTAL CONDITIONS	Condensation: prevent with appropriate measures Clearance in air and creepage distances according to 61010-2-201, UL61010-2-201, CSA-C22.2 NO. 61
PROTECTION AGAINST POLARITY REVERSAL	Yes, for supply voltage (Siemens MPI optional)
SHOCK RESISTANCE	15 g, Mechanical, according to IEC/EN 60068-2-27 shock 11 ms, 18 Impacts
NUMBER OF INPUTS (ANALOG)	0
INPUT CURRENT	2 x 4 mA (I7 - 18, at 115 V AC, 60 Hz, at signal 1) 6 x 0.25 mA (I1 - 16, at 115 V AC, 60 Hz, at signa 2 x 6 mA (I7 - 18, at 230 V AC, 50 Hz, at signal 1) 6 x 0.5 mA (I1 - 16, at 230 V AC, 50 Hz, at signal
10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility.
10.2.5 LIFTING	Does not apply, since the entire switchgear needs to
	Does not appry, since the citile switchgeat needs to
NUMBER OF HW-INTERFACES (RS-485)	0
NUMBER OF HW-INTERFACES (RS-485) NUMBER OF HW-INTERFACES (INDUSTRIAL EIHERNEI)	
NUMBER OF HW-INTERFACES (INDUSTRIAL	0
NUMBER OF HW-INTERFACES (INDUSTRIAL EIHERNEI)	0
NUMBER OF HW-INTERFACES (INDUSTRIAL ETHERNET) FREQUENCY RATING	0 1 6.5 Hz
NUMBER OF HW-INTERFACES (INDUSTRIAL EIHERNET) FREQUENCY RATING 10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	0 1 6.5 Hz Is the panel builder's responsibility. 10 V (according to IEC/EN 61000-4-6)
NUMBER OF HW-INTERFACES (INDUSTRIAL ETHERNEI) FREQUENCY RATING 10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS IMMUNITY TO LINE-CONDUCTED INTERFERENCE	0 1 6.5 Hz Is the panel builder's responsibility. 10 V (according to IEC/EN 61000-4-6)
NUMBER OF HW-INTERFACES (INDUSTRIAL EIHERNET)FREQ UENCY RATING10.8 CONNECTIONS FOR EXTERNAL CONDUCTORSIMMUNITY TO LINE-CONDUCTED INTERFERENCEPROTECTION	0 1 6.5 Hz Is the panel builder's responsibility. 10 V (according to IEC/EN 61000-4-6) B16 circuit breaker or 8 A (T) fuse, Protection of an

LIFESPAN, ELECTRICAL	 25,000 Operations (Fluorescent lamp load 1 x 58 W conventional, compensated) 25,000 Operations (Fluorescent lamp load 10 x 58 W with upstream electrical device) 25,000 Operations (Filament bulb load at 1000 W, 25,000 Operations (Fluorescent lamp load 10 x 58 W uncompensated) 25,000 Operations (Filament bulb load at 500 W, 1
STATIC HEAT DISSIPATION, NON-CURRENT- DEPENDENT PVS	4 W
DISPLAY TEMPERATURE - MIN	0 °C
10.9.3 IMPULSE WITHSTAND VOLTAGE	Is the panel builder's responsibility.
UTILIZATION CATEGORY	B 300 Light Pilot Duty, UL/CSA Control Circuit I R 300 Light Pilot Duty, UL/CSA Control Circuit I
NUMBER OF HW-INTERFACES (RS-232)	0
NUMBER OF INPUTS (DIGITAL)	8
RATED BREAKING CAPACITY	300000 Operations at AC-15, 250 V AC, 3 A (600 200000 Operations at DC-13, 24 V DC, 1 A (500 C
CABLE LENGTH	100 m (max. permissible per input I7 to I8), DigitalAC40 m (max. permissible per input I1 to I6), Digital
10.5 PROTECTION AGAINST ELECTRIC SHOCK	Does not apply, since the entire switchgear needs to
SAFE ISOLATION	300 V AC, Between two contacts, According to EN 300 V AC, Between coil and contact, According to
VOLTAGE DIPS	10 ms
SUPPLY VOLTAGE AT DC - MAX	264 VDC
USED WITH	easyE4
MOUNTING POSITION	Horizontal Vertical
SOFTWARE	EASYSOFT-SWLIC/easySoff7
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the infinistruction leaflet (IL) is observed.
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	Is the panel builder's responsibility.
DISPLAY TEMPERATURE - MAX	55 ℃
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0 W
SAFETY PERFORMANCE LEVEL (EN ISO 13849-1)	None
RESOLUTION 7/10	 1 min (Range H:M) 1 s (Range M:S) 5 ms (Range S)

SHORT-CIRCUIT PROTECTION	\geq 1A (T), Fuse, Power supply
DROP AND TOPPLE	50 mm Drop height, Drop to IEC/EN 60068-2-31
SUPPLY VOLTAGE AT AC, 60 HZ - MIN	85 VAC
UNINTERRUPTED CURRENT	5 A AC, max. thermal continuous current $\cos \phi =$ 8 A AC, at 240 V AC (UL/CSA) 8 A DC, at 24 V DC (UL/CSA) 1 A DC, at R 300 (UL/CSA)
HEIGHT OF FALL (IEC/EN 60068-2-32) - MAX	0.3 m
EQ UIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID	4 W
NUMBER OF OUTPUTS (ANALOG)	0
AIR DISCHARGE	8 kV
NUMBER OF HW-INTERFACES (USB)	0
ACCURACY	\pm 1 %, Repetition accuracy of timing relays (of value \pm 2 s/day, Real-time clock to inputs (\pm 0.2 h/Year)
DISPLAY TYPE	Monochrome
DELAY TIME	 21 ms typ., Digital Inputs 100 - 240 V AC 60 Hz from 0 to 1, Debounce OFF 20 ms typ., Digital Inputs 100 - 240 V DC (I1 - I8 to 1, Debounce ON 20 ms, Digital inputs 115/230 V AC 50 Hz (I7, I8 to 0, Debounce OFF 21 ms typ., Digital Inputs 100 - 240 V AC 60 Hz from 1 to 0, Debounce OFF 16²/₃ ms, Digital inputs 115/230 V AC 60 Hz (I7, to 0, Debounce OFF 0.03 ms typ., Digital Inputs 100 - 240 V DC (I1 - to 1, Debounce OFF 0.03 ms typ., Digital Inputs 100 - 240 V DC (I1 - to 0, Debounce OFF 0.03 ms typ., Digital Inputs 100 - 240 V DC (I1 - to 0, Debounce OFF 0.03 ms typ., Digital Inputs 100 - 240 V DC (I1 - to 0, Debounce OFF 0.03 ms typ., Digital Inputs 100 - 240 V DC (I1 - I8 to 0, Debounce ON
DATA TRANSFER RATE	10/100 MBit/s
NUMBER OF OUTPUTS (DIGITAL)	4
POWER CONSUMPTION	4 W
10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT	Meets the product standard's requirements.
10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS	Meets the product standard's requirements.
CONNECTION TYPE	Screw terminal Ethernet: RJ45 plug, 8-pole
LIFESPAN, MECHANICAL	1,000,000 Operations
NUMBER OF HW-INTERFACES (OTHER)	0

RELATIVE HUMIDITY	5 - 95 % (IEC 60068-2-30, IEC 60068-2-78)
SUPPLY VOLTAGE AT AC, 50 HZ - MIN	85 VAC
10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS	Is the panel builder's responsibility.
SUPPLY VOLTAGE AT AC, 50 HZ - MAX	264 VAC
10.10 TEMPERATURE RISE	The panel builder is responsible for the temperature Eaton will provide heat dissipation data for the devi
NUMBER OF HW-INTERFACES (PARALLEL)	0
EXPLOSION SAFETY CATEGORY FOR DUST	None
SCREWDRIVER SIZE	3.5 x 0.8 mm, Terminal screw
BURSTIMPULSE	2 kV, Signal cable According to IEC/EN 61000-4-4 2 kV, Supply cable
BASE TYPE	Yes
NUMBER OF INTERFACES (PROFINEI)	0
RATED INSULATION VOLTAGE (UI)	240 V

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Eaton is an intelligent power management company dedicated to improving the quality of life and protecting the environment for people everywhere. We are guided by our commitment to do business right, to operate sustainably and to help our customers manage power — today and well into the future. By capitalizing on the global growth trends of electrification and digitalization, we're accelerating the planet's transition to renewable energy and helping to solve the world's most urgent power management challenges.