



Control relay, 24 V DC, 8DI(2AI), 4DO-Trans, display, time



Part no. **EASY512-DC-TC**  
 Catalog No. **274111**

EL-Nummer (Norway) **4519760**

**Delivery program**

|                                |  |        |                                                                                                                                          |
|--------------------------------|--|--------|------------------------------------------------------------------------------------------------------------------------------------------|
| Basic function                 |  |        | easy500                                                                                                                                  |
| Description                    |  |        | Stand alone<br>customized laser inscription or delivery with user program possible with EASY-COMBINATION-* product (article No. 2010781) |
| <b>Inputs</b>                  |  |        |                                                                                                                                          |
| Digital                        |  |        | 8                                                                                                                                        |
| of which can be used as analog |  |        | 2                                                                                                                                        |
| <b>Outputs</b>                 |  |        |                                                                                                                                          |
| Quantity of outputs            |  |        | Transistor: 4                                                                                                                            |
| Outputs                        |  | Number | 4                                                                                                                                        |
| Transistor                     |  |        | 4                                                                                                                                        |
| <b>Additional features</b>     |  |        |                                                                                                                                          |
| Real time clock                |  |        | #                                                                                                                                        |
| Display & keypad               |  |        | #                                                                                                                                        |
| Supply voltage                 |  |        | 24 V DC                                                                                                                                  |
| Software                       |  |        | EASY-SOFT-BASIC/-PRO                                                                                                                     |
| Connection type                |  |        | screw terminal                                                                                                                           |

**Technical data**

**General**

|                        |  |    |                                                                                                  |
|------------------------|--|----|--------------------------------------------------------------------------------------------------|
| Standards              |  |    | EN 55011, EN 55022, IEC/EN 61000-4, IEC 60068-2-6, IEC 60068-2-27                                |
| Approvals              |  |    | CSA<br>UL<br>EAC                                                                                 |
| Dimensions (W x H x D) |  | mm | 71.5 x 90 x 58 (4 PE)                                                                            |
| Weight                 |  | kg | 0.2                                                                                              |
| Mounting               |  |    | Top-hat rail IEC/EN 60715, 35 mm or screw fixing using fixing brackets ZB4-101-GF1 (accessories) |

**Terminal capacities**

|                        |  |                 |                       |
|------------------------|--|-----------------|-----------------------|
| Solid                  |  | mm <sup>2</sup> | 0.2/4 (AWG 22 - 12)   |
| Flexible with ferrule  |  | mm <sup>2</sup> | 0.2/2.5 (AWG 22 - 12) |
| Standard screwdriver   |  | mm              | 0.8 x 3.5             |
| Max. tightening torque |  | Nm              | 0.6                   |

**Climatic environmental conditions**

|                               |   |     |                                                             |
|-------------------------------|---|-----|-------------------------------------------------------------|
| Operating ambient temperature |   | °C  | In accordance with IEC 60068-2-1, -25 - +55                 |
| Condensation                  |   |     | Take appropriate measures to prevent condensation           |
| LCD display (clearly legible) |   | °C  | 0 - 55                                                      |
| Storage                       | 9 | °C  | -40 - +70                                                   |
| relative humidity             |   | %   | in accordance with IEC 60068-2-30, IEC 60068-2-78<br>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<br>constant amplitude 0.15 mm: 10 - 57<br>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       | 1                                                                                                              |
| Mounting position                                                          |             |         | Vertical or horizontal                                                                                         |

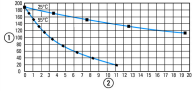
## Electromagnetic compatibility (EMC)

|                                                               |  |     |                                                                       |
|---------------------------------------------------------------|--|-----|-----------------------------------------------------------------------|
| Overvoltage category/pollution degree                         |  |     | III/2                                                                 |
| Electrostatic discharge (ESD)                                 |  |     |                                                                       |
| applied standard                                              |  |     | nach IEC/EN 61000-4-2                                                 |
| Air discharge                                                 |  | kV  | 8                                                                     |
| Contact discharge                                             |  | kV  | 6                                                                     |
| Electromagnetic fields (RFI) to IEC EN 61000-4-3              |  | V/m | 10                                                                    |
| Radio interference suppression                                |  |     | EN 55011 Class B, EN 55022 Class B                                    |
| Burst                                                         |  | kV  | according to IEC/EN 61000-4-4<br>Supply cables: 2<br>Signal cables: 2 |
| power pulses (Surge)                                          |  |     | according to IEC/EN 61000-4-5<br>1 kV (supply cables, symmetrical)    |
| Immunity to line-conducted interference to (IEC/EN 61000-4-6) |  | V   | 10                                                                    |

## Insulation resistance

|                                         |  |  |                                      |
|-----------------------------------------|--|--|--------------------------------------|
| Clearance in air and creepage distances |  |  | EN 50178, UL 508, CSA C22.2, No. 142 |
| Insulation resistance                   |  |  | EN 50178                             |

## Back-up of real-time clock

|                                       |  |       |                                                                                                                                                                                      |
|---------------------------------------|--|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Back-up of real-time clock            |  |       |  <p>① Backup time (hours) with fully charged double layer capacitor<br/>② Service life (years)</p> |
| Accuracy of real-time clock to inputs |  | s/day | typ. $\pm 2$ ( $\pm 0.2$ h/Year)<br><br>depending on ambient air temperature fluctuations of up to $\pm 5$ s/day ( $\pm 0.5$ h/year) are possible                                    |

## Repetition accuracy of timing relays

|                                       |  |     |         |
|---------------------------------------|--|-----|---------|
| Accuracy of timing relays (of values) |  | %   | $\pm 1$ |
| Resolution                            |  |     |         |
| Range "S"                             |  | ms  | 10      |
| Range "M:S"                           |  | s   | 1       |
| Range "H:M"                           |  | min | 1       |

## Retentive memory

|                                      |  |  |                    |
|--------------------------------------|--|--|--------------------|
| Write cycles of the retentive memory |  |  | 1000000 ( $10^6$ ) |
|--------------------------------------|--|--|--------------------|

## Power supply

|                                      |       |    |                                                                                                                                                           |
|--------------------------------------|-------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rated operational voltage            | $U_e$ | V  | 24 DC (-15/+20%)                                                                                                                                          |
| Permissible range                    | $U_e$ |    | 20.4 - 28.8 V DC                                                                                                                                          |
| Residual ripple                      |       | %  | $\leq 5$                                                                                                                                                  |
| Protection against polarity reversal |       |    | yes (Notice: A short-circuit will result if 0 V or earth is applied to the outputs in the event that the supply voltage is connected to the wrong poles.) |
| Input current                        |       |    | normally 80 mA at $U_e$                                                                                                                                   |
| Voltage dips                         |       | ms | $\leq I_n$ accordance with IEC 61131-2<br>$\leq 10$                                                                                                       |
| Fuse                                 |       | A  | $\geq 1A$ (T)                                                                                                                                             |
| Power loss                           | P     | W  | Normally 2                                                                                                                                                |

## Digital inputs 24 V DC

|                                     |       |      |                                                                                                              |
|-------------------------------------|-------|------|--------------------------------------------------------------------------------------------------------------|
| Number                              |       |      | 8                                                                                                            |
| Inputs can be used as analog inputs |       |      | 2 (I7,I8)                                                                                                    |
| Status Display                      |       |      | LCD-Display                                                                                                  |
| Potential isolation                 |       |      | from power supply: no<br>between digital inputs: no<br>from the outputs: yes<br>to interface/memory card: no |
| Rated operational voltage           | $U_e$ | V DC | 24                                                                                                           |
| Input voltage                       |       | V DC | Signal 0: $\leq 5$ (I1 - I8)<br>Signal 1: $\geq 15$ (I1 - I6), $\geq 8$ (I7, I8)                             |
| Input current at signal 1           |       | mA   | I1 - I6: 3.3 (at 24 V DC)<br>I7, I8: 2.2 (at 24 V DC)                                                        |
| Deceleration time                   |       | ms   | 20 (0 -> 1/1 -> 0, Debounce ON)<br>normally 0.25 (0 -> 1, Debounce OFF, I1 - I8)                             |
| Cable length                        |       | m    | 100 (unshielded)                                                                                             |
| Frequency counter                   |       |      |                                                                                                              |

|                             |  |     |                      |
|-----------------------------|--|-----|----------------------|
| Number                      |  |     | 2 (I3, I4)           |
| Counter frequency           |  | kHz | $\leq 1$             |
| Pulse shape                 |  |     | Square               |
| Pulse pause ratio           |  |     | 1:1                  |
| Cable length                |  | m   | $\leq 20$ (screened) |
| <b>Rapid counter inputs</b> |  |     |                      |
| Number                      |  |     | 2 (I1, I2)           |
| Cable length                |  | m   | $\leq 20$ (screened) |
| Counter frequency           |  | kHz | $\leq 1$             |
| Pulse shape                 |  |     | Square               |
| Pulse pause ratio           |  |     | 1:1                  |

### Digital inputs 24 V AC

|                |  |  |             |
|----------------|--|--|-------------|
| Status Display |  |  | LCD-Display |
|----------------|--|--|-------------|

### Analog inputs

|                                 |  |            |                                                                                                              |
|---------------------------------|--|------------|--------------------------------------------------------------------------------------------------------------|
| Number                          |  |            | 2 (I7, I8)                                                                                                   |
| Potential isolation             |  |            | from power supply: no<br>between digital inputs: no<br>from the outputs: yes<br>to interface/memory card: no |
| Input type                      |  |            | DC voltage                                                                                                   |
| Signal range                    |  |            | 0-10 V DC                                                                                                    |
| Resolution                      |  |            | 0.01 V analog<br>0.01 V digital<br>10 Bit (value 0 - 1023)                                                   |
| Input impedance                 |  | k $\Omega$ | 11.2                                                                                                         |
| Accuracy of actual value        |  |            |                                                                                                              |
| two devices from series         |  | %          | $\pm 3$                                                                                                      |
| Within a single device          |  | %          | $\pm 2, (I7, I8, I11, I12) \pm 0.12 V$                                                                       |
| Conversion time, analog/digital |  | ms         | Input delay ON: 20; Input delay OFF: each cycle time                                                         |
| Input current                   |  | mA         | < 1                                                                                                          |
| Cable length                    |  | m          | $\leq 30$ , screened                                                                                         |

### Transistor outputs

|                                                                                                  |       |                |                                                                                                                                                           |
|--------------------------------------------------------------------------------------------------|-------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number                                                                                           |       |                | 4                                                                                                                                                         |
| Rated operational voltage                                                                        | $U_e$ | V DC           | 24                                                                                                                                                        |
| Permissible range                                                                                | $U_e$ |                | 20.4 - 28.8 V DC                                                                                                                                          |
| Residual ripple                                                                                  |       | %              | 5                                                                                                                                                         |
| Supply current                                                                                   |       | mA             | Norm./max. 9/16 at signal 0<br>12/22 at signal 1                                                                                                          |
| Protection against polarity reversal                                                             |       |                | yes (Notice: A short-circuit will result if 0 V or earth is applied to the outputs in the event that the supply voltage is connected to the wrong poles.) |
| Potential isolation                                                                              |       |                | from power supply: yes<br>From the inputs: yes<br>to the interface: yes<br>to the memory card: yes                                                        |
| Rated operational current at signal „1“ DC per channel                                           | $I_e$ | A              | Max. 0.5                                                                                                                                                  |
| Residual current on 0 signal per channel                                                         |       | mA             | < 0.1                                                                                                                                                     |
| Max. output voltage                                                                              |       | V              | 2.5 (signal 0 at external load < 10 M $\Omega$ )<br>$U = U_e - 1 V$ (signal 1 at $I_e = 0.5 A$ )                                                          |
| Short-circuit protection                                                                         |       |                | Yes, thermal (analysis via diagnostics input I16, I15; R15, R16)                                                                                          |
| Short-circuit tripping current for $R_a \leq 10 m\Omega$                                         |       | A              | $0.7 \leq I_e \leq 2$ per output                                                                                                                          |
| Total short-circuit current                                                                      |       | A              | 8                                                                                                                                                         |
| Peak short-circuit current                                                                       |       | A              | 16                                                                                                                                                        |
| Thermal cutout                                                                                   |       |                | Yes                                                                                                                                                       |
| Max. operating frequency with constant resistive load                                            |       | Operation<br>h | 40000                                                                                                                                                     |
| <b>Parallel connection of outputs</b>                                                            |       |                |                                                                                                                                                           |
| With resistive load, inductive load with external suppressor circuit, combination within a group |       |                | Group 1: Q1 to Q4                                                                                                                                         |
| Number of outputs                                                                                | max.  |                | 4                                                                                                                                                         |
| Max. total current                                                                               |       | A              | 2 (Caution! Outputs must be actuated simultaneously and for the same length of time.)                                                                     |

|                                                                            |      |           |                                     |
|----------------------------------------------------------------------------|------|-----------|-------------------------------------|
| Output status indication                                                   |      |           | LCD-display                         |
| Inductive load to EN 60947-5-1                                             |      |           |                                     |
| Without external suppressor circuit                                        |      |           |                                     |
| $T_{0.95} = 1 \text{ ms}$ , $R = 48 \Omega$ , $L = 16 \text{ mH}$          |      |           |                                     |
| Utilization factor                                                         | g    |           | 0.25                                |
| Duty factor                                                                | % DF |           | 100                                 |
| Max. switching frequency $f = 0.5 \text{ Hz}$ (max. DF = 50 %)             |      | Operation | 500                                 |
| DC-13, $T_{0.95} = 72 \text{ ms}$ , $R = 48 \Omega$ , $L = 1.15 \text{ H}$ |      |           |                                     |
| Utilization factor                                                         | g    |           | 0.25                                |
| Duty factor                                                                | % DF |           | 100                                 |
| Max. switching frequency $f = 0.5 \text{ Hz}$ (max. DF = 50 %)             |      | Operation | 500                                 |
| $T_{0.95} = 15 \text{ ms}$ , $R = 48 \Omega$ , $L = 0.24 \text{ H}$        |      |           |                                     |
| Utilization factor                                                         | g    |           | 0.25                                |
| Duty factor                                                                | % DF |           | 100                                 |
| Max. switching frequency $f = 0.5 \text{ Hz}$ (max. DF = 50 %)             |      | Operation | 500                                 |
| With external suppressor circuit                                           |      |           |                                     |
| Utilization factor                                                         | g    |           | 1                                   |
| Duty factor                                                                | % DF |           | 100                                 |
| Max. switching frequency, max. duty factor                                 |      | Operation | Depending on the suppressor circuit |

### Supply voltage $U_{Aux}$

|                                      |   |   |                                                                                                                                                           |
|--------------------------------------|---|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protection against polarity reversal |   |   | yes (Notice: A short-circuit will result if 0 V or earth is applied to the outputs in the event that the supply voltage is connected to the wrong poles.) |
| Power loss                           | P | W | 2                                                                                                                                                         |

### Design verification as per IEC/EN 61439

|                                                                                                                                  |            |    |     |
|----------------------------------------------------------------------------------------------------------------------------------|------------|----|-----|
| Technical data for design verification                                                                                           |            |    |     |
| Rated operational current for specified heat dissipation                                                                         | $I_n$      | A  | 0   |
| Heat dissipation per pole, current-dependent                                                                                     | $P_{vid}$  | W  | 0   |
| Equipment heat dissipation, current-dependent                                                                                    | $P_{vid}$  | W  | 0   |
| Static heat dissipation, non-current-dependent                                                                                   | $P_{vs}$   | W  | 2   |
| Heat dissipation capacity                                                                                                        | $P_{diss}$ | W  | 0   |
| 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

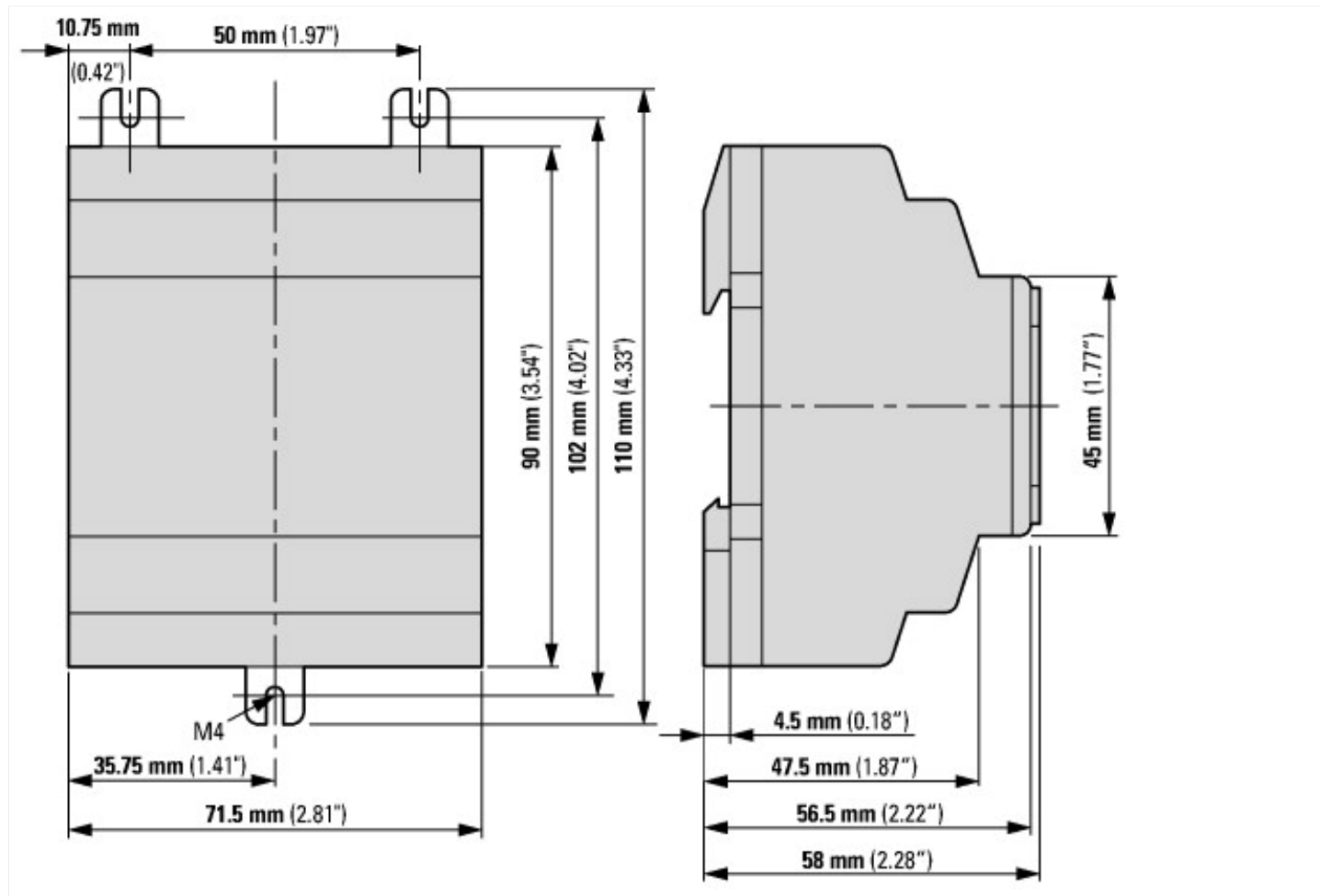
|                                                                                                                                                                  |   |             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-------------|
| PLC's (EG000024) / Logic module (EC001417)                                                                                                                       |   |             |
| Electric engineering, automation, process control engineering / Control / Programmable logic control (SPS) / Logic module (ecl@ss10.0.1-27-24-22-16 [AKE539014]) |   |             |
| Supply voltage AC 50 Hz                                                                                                                                          | V | 0 - 0       |
| Supply voltage AC 60 Hz                                                                                                                                          | V | 0 - 0       |
| Supply voltage DC                                                                                                                                                | V | 20.4 - 28.8 |
| Voltage type of supply voltage                                                                                                                                   |   | DC          |
| Switching current                                                                                                                                                | A | 0.5         |
| Number of analogue inputs                                                                                                                                        |   | 2           |
| Number of analogue outputs                                                                                                                                       |   | 0           |
| Number of digital inputs                                                                                                                                         |   | 8           |
| Number of digital outputs                                                                                                                                        |   | 4           |
| With relay output                                                                                                                                                |   | No          |
| Number of HW-interfaces industrial Ethernet                                                                                                                      |   | 0           |
| 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                                                                                                                                   |   | No          |
| 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                                                                                                                                   |   | No          |
| 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                          |  |    | Yes  |
| Degree of protection (IP)             |  |    | IP20 |
| Basic device                          |  |    | Yes  |
| Expandable                            |  |    | No   |
| Expansion device                      |  |    | No   |
| With timer                            |  |    | Yes  |
| Rail mounting possible                |  |    | Yes  |
| Wall mounting/direct mounting         |  |    | Yes  |
| Front build in possible               |  |    | No   |
| 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   |
| Depth                                 |  | mm | 58   |

## Approvals

|                             |  |  |                                                                                                 |
|-----------------------------|--|--|-------------------------------------------------------------------------------------------------|
| Product Standards           |  |  | IEC/EN see Technical Data; UL 508; CSA C22.2 No. 142-M1987; CSA C22.2 No. 213-M1987; CE marking |
| UL File No.                 |  |  | E135462                                                                                         |
| UL Category Control No.     |  |  | NRAQ                                                                                            |
| CSA File No.                |  |  | 012528                                                                                          |
| CSA Class No.               |  |  | 2252-01 + 2258-02                                                                               |
| North America Certification |  |  | UL listed, CSA certified                                                                        |
| Degree of Protection        |  |  | IEC: IP20, UL/CSA Type: -                                                                       |

## Dimensions



## Additional product information (links)

### Instruction leaflet "easy control relays" IL05013015Z (AWA2528-2105)

Instruction leaflet "easy control relays" IL05013015Z (AWA2528-2105) [https://es-assets.eaton.com/DOCUMENTATION/AWA\\_INSTRUCTIONS/IL05013015Z2018\\_02.pdf](https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/IL05013015Z2018_02.pdf)

### Manual "easy500, easy700 control relays" MN05013003Z (AWB2528-1508)

Handbuch „Steuerrelais easy500, easy700“ MN05013003Z (AWB2528-1508) - Deutsch [https://es-assets.eaton.com/DOCUMENTATION/AWB\\_MANUALS/MN05013003Z\\_DE.pdf](https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN05013003Z_DE.pdf)

Manual "easy500, easy700 control relays" MN05013003Z (AWB2528-1508) - English [https://es-assets.eaton.com/DOCUMENTATION/AWB\\_MANUALS/MN05013003Z\\_EN.pdf](https://es-assets.eaton.com/DOCUMENTATION/AWB_MANUALS/MN05013003Z_EN.pdf)

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