



Control relay coupling module to the decentralized connection of a dig. extension, easyLink

Part no. **EASY200-EASY**  
 Catalog No. **212315**  
 EL-Nummer **4520910**  
 (Norway)

## Delivery program

|                |  |  |  |
|----------------|--|--|--|
| Product range  |  |  | Control relay easyRelay<br>Multi-function-display MFD-Titan  |
| Product range  |  |  | Compact PLCs   |
| Basic function |  |  | Expansions   |
| Function       |  |  | Expansions EASY...   |
| Accessories    |  |  | Coupling module  |
| Description    |  |  | Can be used through easyLink                                 |
| Function       |  |  | For remote connection of a digital I/O extension up to 30 m. |
| For use with   |  |  | easy700<br>easy800<br>EC4P<br>MFD-CP8..<br>ES4P              |

## Technical data

### General

|                        |  |    |  |
|------------------------|--|----|--|
| Standards              |  |    | EN 55011, EN 55022, IEC/EN 61000-4, IEC 60068-2-6, IEC 60068-2-27                                |
| Dimensions (W x H x D) |  | mm | 35.5 x 90 x 58 (2 PE)  |
| Weight                 |  | kg | 0.07   |
| 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                              | -25 to 55, cold as per IEC 60068-2-1, heat as per IEC 60068-2-2 |
| Condensation  |                         |                                 | Take appropriate measures to prevent condensation               |
| LCD display (clearly legible)                         |                         | °C                              | 0 - 55  |
| Storage   |                         | °C                              | - 40 - 70   |
| Relative humidity, non-condensing (IEC/EN 60068-2-30) |                         | %                               | 5 - 95  |
| Air pressure (operation)                              |                         | hPa                             | 795 - 1080  |
| Corrosion resistance                                  |                         | cm <sup>3</sup> /m <sup>3</sup> |   |
| IEC/EN 60068-2-42                                     | 4 days SO <sub>2</sub>  | cm <sup>3</sup> /m <sup>3</sup> | 10  |
| IEC/EN 60068-2-43                                     | 4 days H <sub>2</sub> S | cm <sup>3</sup> /m <sup>3</sup> | 1   |

### Ambient conditions, mechanical

|  |             |         |                        |
|--|-------------|---------|------------------------|
| Protection type (IEC/EN 60529, EN50178, VBG 4)                             |             |         | IP20                   |
| Vibrations (IEC/EN 60068-2-6)  |             | Hz      |                        |
| Constant amplitude 0.15 mm   |             | Hz      | 10 - 57                |
| Constant acceleration 2 g  |             | Hz      | 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)

|  |  |    |  |
|--|--|----|--|
| Electrostatic discharge (IEC/EN 61000-4-2, Level 3, ESD) |  | kV |  |
|--|--|----|--|

|   |     |   |
|---|-----|---|
| 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 Impulse (IEC/EN 61000-4-4, Level 3)                     |     |   |
| Supply cable  | kV  | 2   |
| Signal lines  | kV  | 2   |
| Power pulses (surge) (IEC/EN 61000-4-5)                       | kV  | 2 (supply cables, symmetrical, EASY...AC)   |
| power pulses (surge) (IEC/EN 61000-4-5, level 2)              | kV  | 0.5 (supply cables, symmetrical, EASY...DC) |
| 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                             |

## 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  | 0   |
| 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  |            |    |     |
| 10.2.3.1 Verification of thermal stability of enclosures   |            |    |     |
| 10.2.3.2 Verification of resistance of insulating materials to normal heat   |            |    |     |
| 10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects |            |    |     |
| 10.2.4 Resistance to ultra-violet (UV) radiation   |            |    |     |
| 10.2.5 Lifting   |            |    |     |
| 10.2.6 Mechanical impact   |            |    |     |
| 10.2.7 Inscriptions  |            |    |     |
| 10.3 Degree of protection of ASSEMBLIES  |            |    |     |
| 10.4 Clearances and creepage distances   |            |    |     |
| 10.5 Protection against electric shock   |            |    |     |
| 10.6 Incorporation of switching devices and components   |            |    |     |
| 10.7 Internal electrical circuits and connections  |            |    |     |
| 10.8 Connections for external conductors   |            |    |     |
| 10.9 Insulation properties   |            |    |     |
| 10.9.2 Power-frequency electric strength   |            |    |     |
| 10.9.3 Impulse withstand voltage   |            |    |     |
| 10.9.4 Testing of enclosures made of insulating material   |            |    |     |
| 10.10 Temperature rise   |            |    |     |
| 10.11 Short-circuit rating   |            |    |     |
| 10.12 Electromagnetic compatibility  |            |    |     |
| 10.13 Mechanical function  |            |    |     |

## 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 |

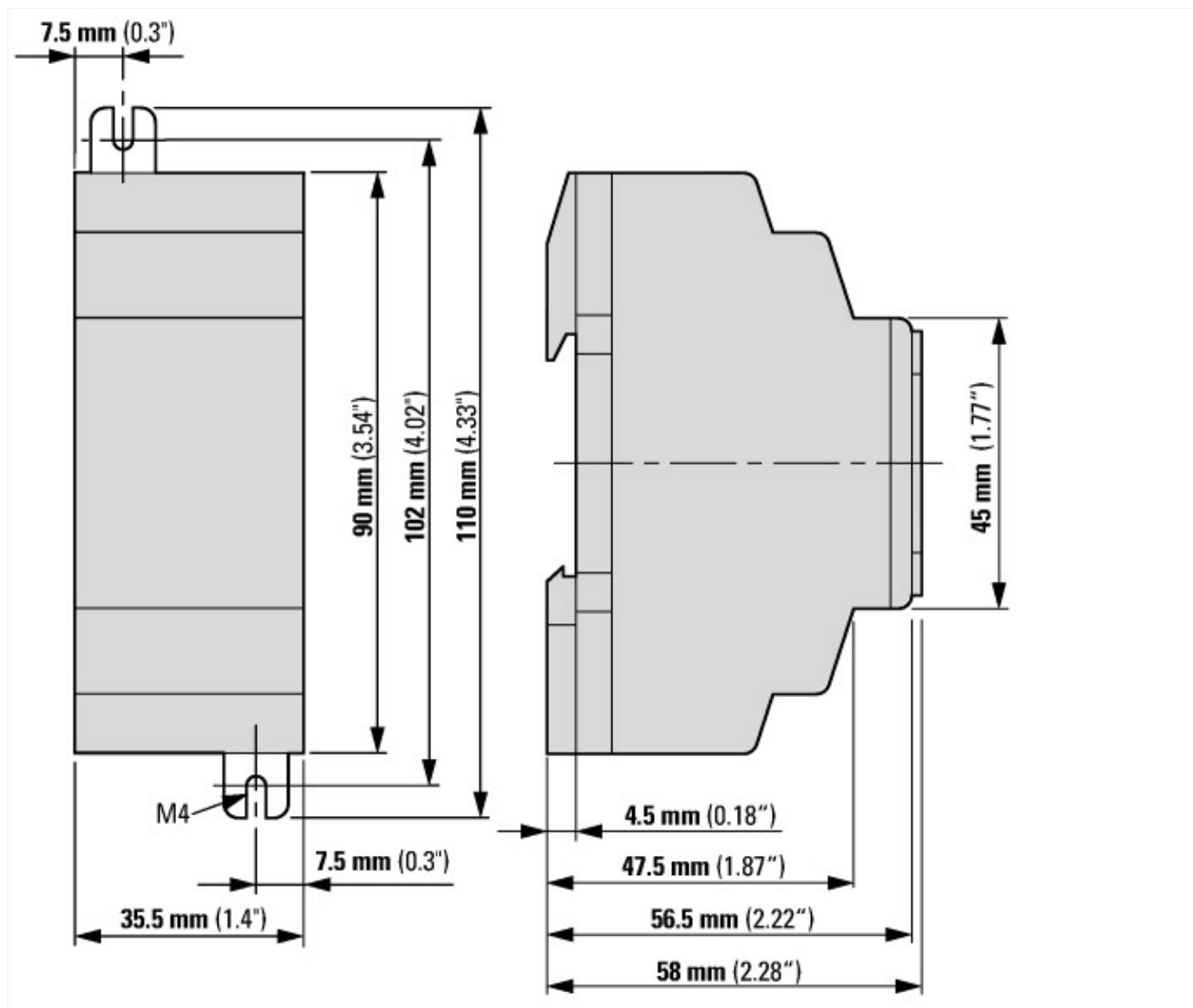
|   |   |       |
|---|---|-------|
| Supply voltage DC                                   | V | 0 - 0 |
| Voltage type of supply voltage                      |   | DC    |
| Switching current                                   | A | 0     |
| Number of analogue inputs                           |   | 0     |
| Number of analogue outputs                          |   | 0     |
| Number of digital inputs                            |   | 0     |
| Number of digital outputs                           |   | 0     |
| 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                       |   | 2     |
| 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  |   | No    |
| Degree of protection (IP)                           |   | IP20  |
| Basic device  |   | No    |
| Expandable  |   | Yes   |
| Expansion device                                    |   | Yes   |
| With timer  |   | No    |
| 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 | 36   |
| Height                                |  | mm | 90   |
| Depth                                 |  | mm | 60   |

## 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, NRAQ7   |
| 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



## Assets (links)

### Declaration of CE Conformity

00003063

### Instruction Leaflets

IL05003003Z2018\_02

### Manuals

MN04902001Z\_EN (English)

## Additional product information (links)

### Instruction leaflet "easyControl: compact PLC" IL05003003Z (AWA2724-2334)

Instruction leaflet "easyControl: compact PLC" IL05003003Z (AWA2724-2334) [ftp://ftp.moeller.net/DOCUMENTATION/AWA\\_INSTRUCTIONS/IL05003003Z2018\\_02.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL05003003Z2018_02.pdf)

### Instruction leaflet "easy control relays" IL05013006Z (AWA2528-1837)

Instruction leaflet "easy control relays" IL05013006Z (AWA2528-1837) [ftp://ftp.moeller.net/DOCUMENTATION/AWA\\_INSTRUCTIONS/IL05013006Z2018\\_02.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL05013006Z2018_02.pdf)

### Instruction leaflet "easy control relays" IL05013012Z (AWA2528-1979)

Instruction leaflet "easy control relays" IL05013012Z (AWA2528-1979) [ftp://ftp.moeller.net/DOCUMENTATION/AWA\\_INSTRUCTIONS/IL05013012Z2010\\_11.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL05013012Z2010_11.pdf)

Instruction leaflet "easy control relays" IL05013012Z (AWA2528-1979) [ftp://ftp.moeller.net/DOCUMENTATION/AWA\\_INSTRUCTIONS/IL05013012Z2018\\_02.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL05013012Z2018_02.pdf)

### Manual "easy800 control relays" MN04902001Z (AWB2528-1423)

Handbuch „Steuerrelais easy800“ MN04902001Z (AWB2528-1423) - Deutsch [ftp://ftp.moeller.net/DOCUMENTATION/AWB\\_MANUALS/MN04902001Z\\_DE.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04902001Z_DE.pdf)

Manual "easy800 control relays" MN04902001Z (AWB2528-1423) - English [ftp://ftp.moeller.net/DOCUMENTATION/AWB\\_MANUALS/MN04902001Z\\_EN.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04902001Z_EN.pdf)

