

Type: **EASY221-CO**
 Article No.: **233539**
 Sales text **Control relay, CANopen connection**



With connector

Ordering information

Description			Fieldbus connection to CANopen
Description			CANopen interface Addresses available: 1 to 127
For use with			easy700 easy800 EC4P MFD-CP8..

General

Standards			EN 55011, EN 55022, IEC/EN 61000-4, EN 50325
Dimensions (W × H × D)		mm	35.5 × 90 × 58 (2 TE)
Weight		kg	0,15
Mounting			Top-hat rail IEC/EN 60715, 35 mm or screw fixing using fixing brackets ZB4-101-GF1 (accessories)

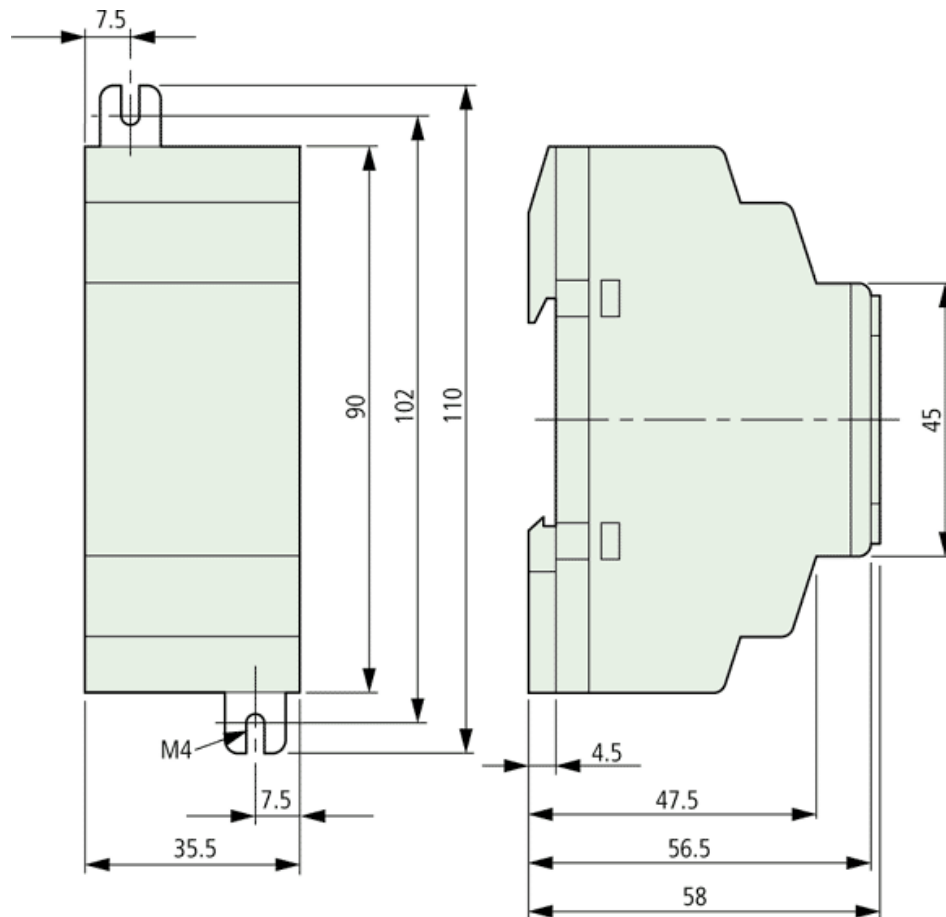
Terminal capacities

Solid		mm ²	0.2/4 (AWG 22 – 12)
Flexible with ferrule		mm ²	0.2/2.5 (AWG 22 – 12)
Standard screwdriver		mm	3.5 × 0.8

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
Storage		°C	... 40...+70
Relative humidity, non–condensing (IEC/EN 60068–2–30)		%	5...95
Air pressure (operation)		hPa	795...1080
Ambient conditions, mechanical			
Degree of protection IEC/EN 60529			IP 20
Vibrations (IEC/EN 60068–2–6)			
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			Horizontal/vertical
Electromagnetic compatibility (EMC)			
Overvoltage category/pollution degree			II/2
Electrostatic discharge (IEC/EN 61000–4–2, Level 3, ESD)			
Air discharge		kV	8
Contact discharge		kV	6
Electromagnetic fields (IEC/EN 61000–4–3, RFI)	V/m		10
Radio interference suppression (EN 55011)			EN 55011 Class B, EN 55022 Class B
Burst pulses (IEC/EN 61000–4–4, level 3)			
Supply cables		kV	2
Signal lines		kV	2
High–energy pulses (surge) (IEC/EN 61000–4–5, level 2)		kV	0.5 (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
Power supply			
Rated operational voltage	U_e	V	24 (-15/+20 %)
Admissible range		V DC	20,4...28,8
Residual ripple		%	5
max. current consumption (at 24 V DC)		mA	Normally 200
Voltage dips (IEC/EN 61131-2)		ms	10
Heat dissipation at 24 V DC		W	4.8
Supply voltage U_{AUX} (power supply for switching SmartWire elements, e.g. contactor coils)			
Residual ripple		%	< 5
Voltage dips (IEC/EN 61131-2)		ms	10
Protection against polarity reversal			
AS-I power supply			Yes
LEDs			
Supply			RUN LED (RUN): green
LED display			LED ERROR (ERR): red
Network			
Connection technique			RJ45
Potential isolation			Between bus and power supply (simple), between bus and power supply and easy base unit (safe isolation)
Function			CANopen slave
Interface			CAN
Bus protocol			CANopen
Baud rates			Automatic search up to 1 Mbits
Bus terminating resistors			Separate, external bus termination required (120)
Bus addresses			1 – 127, can be addressed via EASY basic unit with display or via EASY-SOFT
Services			
Cyclical			All data R1 – R16, S1 – S8
Acyclical			Read/write, real-time, day, summer/winter time, all the parameters of the EASY function relay

Dimensions



Moeller GmbH, Hein-Moeller-Str. 7-11, D-53115 Bonn
E-Mail: catalog@moeller.net, Internet: www.moeller.net, <http://catalog.moeller.net>
Copyright 2006 by Moeller GmbH. HPL-C2007G V2.1