



Control relays with Ethernet connection



Powering Business Worldwide™

Part no. EASY209-SE
Article no. 101520

Catalog No.

Delivery programme

Product range			Control relays easyRelay Multi-function-display MFD-Titan
Subrange			Ethernet gateway
Basic function			Expansions
Function			serial interface easyRelay or MFD-...CP8/CP10... to Ethernet for connection to easyOPC server, easySoft, or easyCom
For use with			easy500 easy700 easy800 MFD-CP8... ES4P

Approvals

Product Standards

UL File No.
UL Category Control No.
CSA File No.
CSA Class No.
North America Certification
Degree of Protection

IEC/EN see Technical Data; UL 508; CSA C22.2 No. 142-M1987; CSA C22.2 No. 213-M1987; CE marking
E135462
NRAQ, NRAQ7
012528
2252-01 + 2258-02
UL listed, CSA certified
IEC: IP20, UL/CSA Type: -

General

Standards			EN 55011, EN 55022, IEC/EN 61000-4, EN 50178
Dimensions (W x H x D)		mm	35.5 x 90 x 58 (2 PE)
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 x 0.8
Max. tightening torque		Nm	0.6

Data cable

Solid		mm ²	0.25/1.5 (AWG 24/16)
Flexible with ferrule		mm ²	0.14/ 1 (AWG 26/17)

Climatic environmental conditions

Operating ambient temperature		°C	-25 to + 55
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

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	Fallhöhe	mm	50
Free fall, packaged (IEC/EN 60068-2-32)		m	1

Mounting position			Vertical or horizontal
Electromagnetic compatibility (EMC)			
Overvoltage category/pollution degree			II/2
Electrostatic discharge (IEC/EN 61000-4-2, Level 3, ESD)		kV	
Air discharge		kV	8
Contact discharge		kV	6
Electromagnetic fields (IEC/EN 61000-4-3, RFI)	V/m		RS-232 line without screen: 3, with screen: 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
Ethernet interface cable		kV	2
COM interface cable		kV	2
power pulses (surge) (IEC/EN 61000-4-5, level 2)		kV	1 (supply cables, symmetrical)
Immunity to line-conducted interference to (IEC/EN 61000-4-6)		V	RS-232 line without screen: 3, with screen: 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 65
Heat dissipation at 24 V DC		W	1.7

Power supply

Heat dissipation at 24 V DC		W	1.7
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Protection against polarity reversal

AS-I power supply			Yes
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LEDs

Supply			Front power LED: ON
LED display			Front-LED COM active: flashing
RJ45 socket, top			No Activity: OFF, Amber: Half Duplex, Green: Full Duplex
RJ45 socket, bottom			No Link: OFF, Amber: 10 MBit/s, Green: 100 MBit/s
Reset			Front: via buttons > 2s
Strain relief			Via cable binders in retaining nipples

Network

Bus addresses			Factory settings Ethernet: IP address 0.0.0.0 SUBNET mask: 255.255.0.0 Gateway address 0.0.0.0 Remote address 0.0.0.0
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Technical data ETIM 5.0

PLC's (EG000024) / Logic module (EC001417)

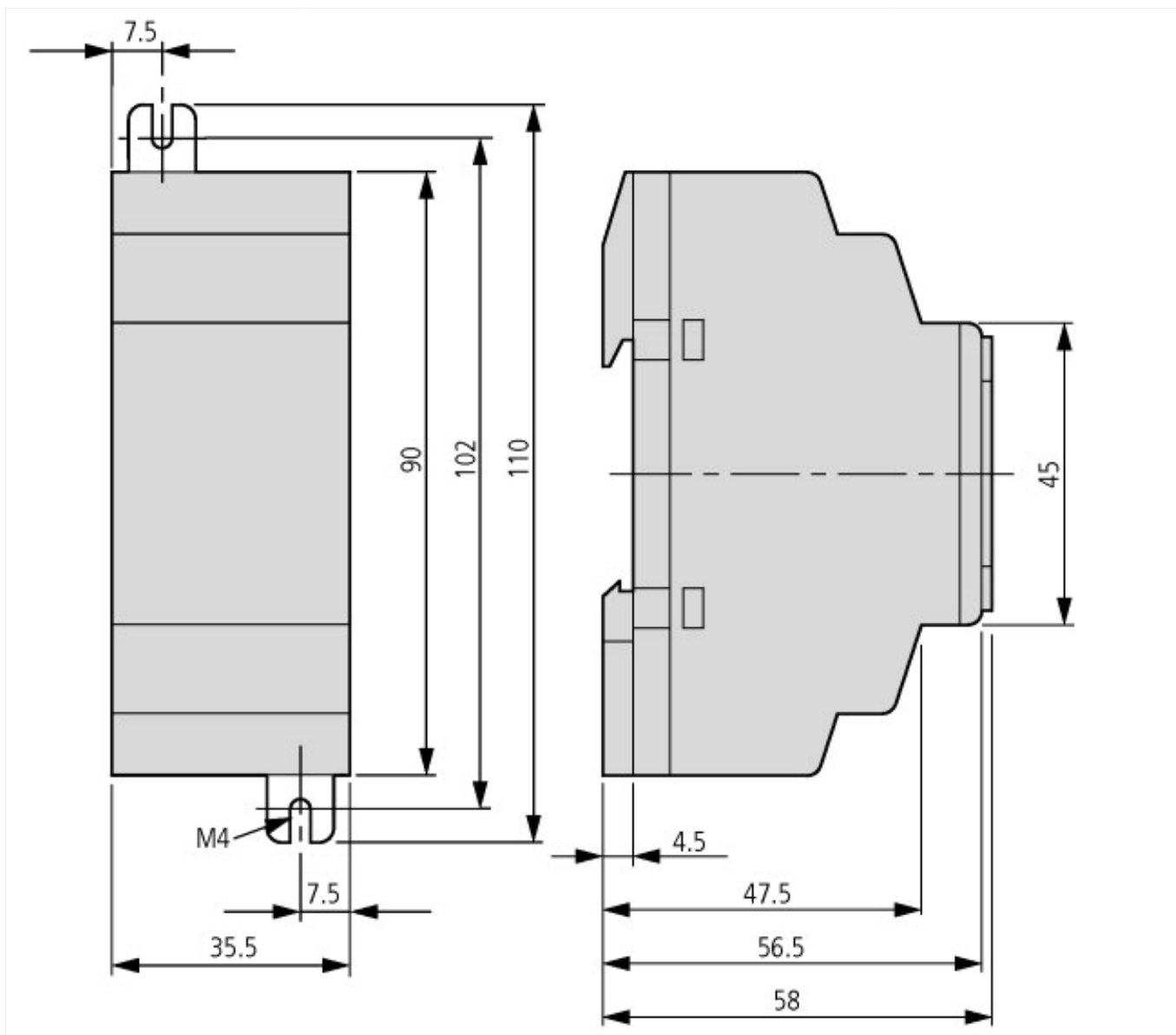
Electric engineering, automation, process control engineering / Control / Programmable logic control (SPS) / Logic module (ecl@ss8-27-24-22-16 [AKE539010])

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
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			1
Number of HW-interfaces PROFINET			0
Number of HW-interfaces RS-232			1
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		0
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		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
Radiostandard Bluetooth		No
Radiostandard WLAN 802.11		No
Radiostandard GPRS		No
Radiostandard GSM		No
Radiostandard 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
Suited for safety functions		No
Category according to EN 954-1		-
SIL according to IEC 61508		0
Performance level acc. to EN ISO 13849-1		-
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

Dimensions



Additional product information (links)

IL05013019Z (AWA2528-2294) Gateway Ethernet: serial interface control relay easy	
IL05013019Z (AWA2528-2294) Gateway Ethernet: serial interface control relay easy	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL05013019Z2011_09.pdf
MN04902001Z-EN (AWB2528-1423) easy800 Control Relay	
MN04902001Z-DE (AWB2528-1423) Steuerrelais easy800 - Deutsch	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04902001Z_DE.pdf
MN04902001Z-EN (AWB2528-1423) easy800 Control Relay - English	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04902001Z_EN.pdf
AWB2528-1423 Modules logiques easy800 - français	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/h1423f.pdf
AWB2528-1423 Módulo de control easy800 - español	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/h1423e.pdf
AWB2528-1423 Relè di comando e controllo - italiano	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/h1423i.pdf
MN05013003Z-EN (AWB2528-1508) control relay easy500, easy700	
MN05013003Z-DE (AWB2528-1508) Steuerrelais easy500, easy700 - Deutsch	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05013003Z_DE.pdf

MN05013003Z-EN (AWB2528-1508) control relay easy500, easy700 - English	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05013003Z_EN.pdf
MN05003003Z Manual easyControl, programmable PLC EC4-200	
MN05003003Z Handbuch easyControl, Programmierbare Steuerung EC4-200 - Deutsch	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05003003Z_DE.pdf
MN05003003Z Manual easyControl, programmable PLC EC4-200 - English	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05003003Z_EN.pdf