



Control relay expansion, trans. output



Powering Business Worldwide™

Part no. EASY620-DC-TE
Article no. 212313

Delivery programme

Product range			Control relays easyRelay Multi-function-display MFD-Titan
Subrange			I/O expansions digital
Basic function			Expansions
Description			Can be used through easyLink
Product range			Remote I/O systems Compact PLCs
Function			Expansions EASY...
Accessories			I/O expansions digital
Inputs			
Inputs expansion (number)			digital: 12
Outputs			
Type			Transistor
Transistor			8
Supply voltage			24 V DC
For use with			easy700 easy800 EC4P MFD-CP8...

Approbationen

UL approval	Yes
CSA approval	Yes
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 CCN	NRAQ, NRAQ7
CSA File No.	012528
CSA Class No.	2252-01 + 2258-02
NA Certification	UL listed, CSA certified
Degree of Protection	IEC: IP20, UL/CSA Type: -

General

Dimensions (W x H x D)		mm	107.5 x 90 x 58 (6 PE)
Weight		kg	0.3

Climatic environmental conditions

Storage		°C	-40 - +70
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Electromagnetic compatibility (EMC)

Overvoltage category/pollution degree			II/2
Electrostatic discharge (ESD)			
applied standard			IEC EN 61000-4-2, Level 3
Burst			according to IEC/EN 61000-4-4
power pulses (Surge)			2 kV (supply cables, symmetrical, EASY...AC) 0.5 kV (supply cables, symmetrical, easy-DC) according to IEC/EN 61000-4-5

Power supply

Rated operational voltage	U_e	V	24 DC (-15/+20%)
Permissible range			20.4 - 28.8 V DC
Residual ripple		%	≤ 5
Input current			140 mA at U_e
Voltage dips		ms	≤ 10
Heat dissipation			3.4 W
Heat dissipation			3.4 W

Digital inputs 24 V DC

Number			12
Status Display			LCD-Display
Potential isolation			from the outputs: yes

Rated operational voltage	U_e	V DC	24
Input voltage		V DC	< 5 (I1 - I12, R1 - R12) at signal "0"
Input current on 1 signal			
Input current at signal 1		mA	3.3 (R1 to R6 (R12))
Deceleration time		ms	20 (from "0" to "1", debounce ON) Normally 0.25 (R1 - R12) (from "0" to "1", debounce OFF) 20 (from "1" to "0", debounce ON)
Cable length		m	100 (unshielded)

Transistor outputs

Number			8
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.18/32 at signal 0 24/44 at signal 1
Protection against polarity reversal			yes (Caution: 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, inputs to the memory card: yes
Rated operational current at signal „1“ DC per channel	I_e	A	Max. 0.5
Lamp load without R_v per channel		W	5
Residual current on 0 signal per channel		mA	< 0.1
Max. output voltage		V	2.5 (signal 0 at external load < 10 M Ω) $U = U_e - 1$ V (signal 1 at $I_e = 0.5$ A)
Short-circuit protection			Yes, thermal (analysis via diagnostics input I16, I15; R15, R16)
Total short-circuit current		A	16
Peak short-circuit current		A	32
Thermal cutout			Yes
Max. operating frequency with constant resistive load		Ops./ h	40000
Parallel connection of outputs			
With resistive load, inductive load with external suppressor circuit, combination within a group			Group 1: S1 - S4 Group 2: S5 - S8
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 (if provided)

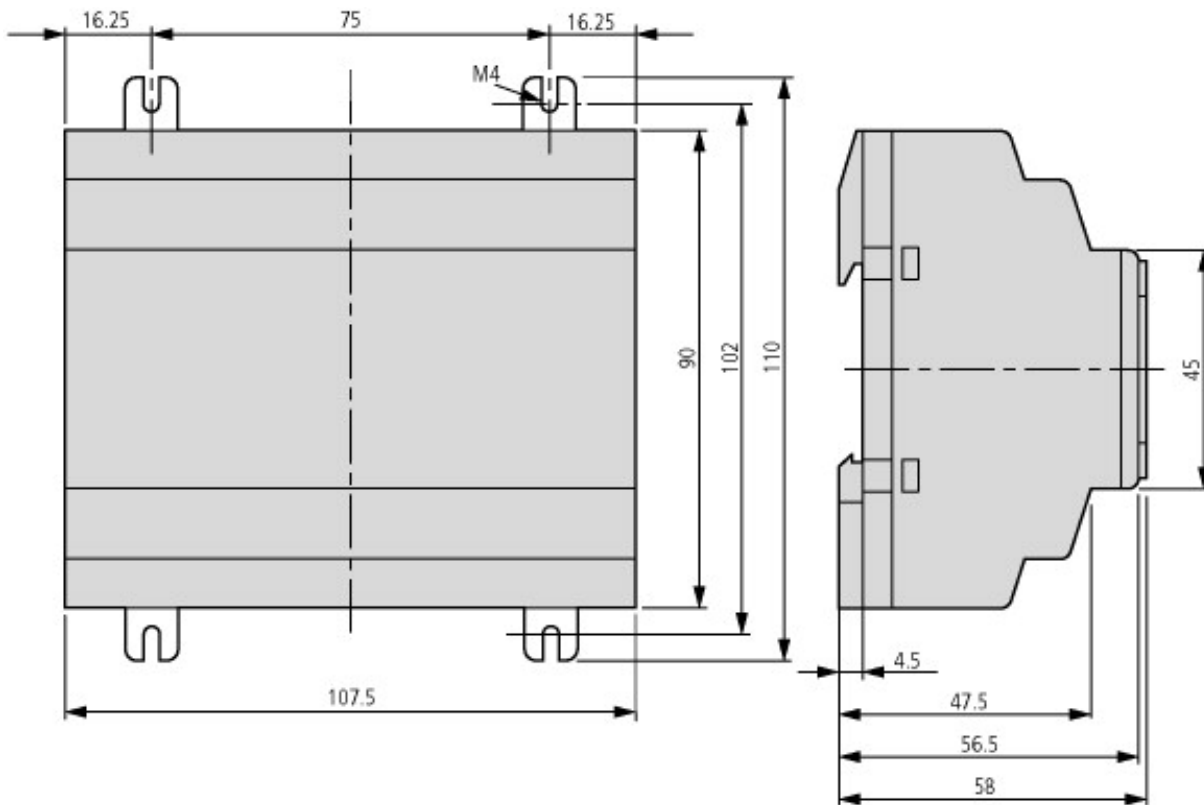
Relay outputs

Potential isolation			from power supply: yes From the inputs: yes in groups Safe isolation according to EN 50178: 300 V AC Basic isolation: 600 V AC
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Supply voltage U_{Aux}

Protection against polarity reversal			yes (Caution: 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.)
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Dimensions



Additional product information (links)

IL05003003Z (AWA2724-2334) easyControl: Compact controller

IL05003003Z (AWA2724-2334)
easyControl: Compact controller

ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL05003003Z2010_11.pdf

IL05013006Z (AWA2528-1837) Control relay easy

IL05013006Z (AWA2528-1837) Control
relay easy

ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL05013006Z2010_11.pdf

IL05013012Z (AWA2528-1979) Control relay easy

IL05013012Z (AWA2528-1979) Control
relay easy

ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL05013012Z2010_11.pdf

IL05013014Z (AWA2528-2019) Multi function display, Control relay easy

IL05013014Z (AWA2528-2019) Multi
function display, Control relay easy

ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL05013014Z2010_11.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