



## Control relay expansion, relay output



Powering Business Worldwide™

**Part no.** EASY618-AC-RE  
**Article no.** 212314

### 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			Relay
Supply voltage			100 - 240 V AC
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
---------	--	----	-----------

### 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	100/110/115/120/230/240 AC (+10/-15 %)
Permissible range			85 - 264 V AC
Frequency		Hz	50/60 (± 5%)
Voltage dips		ms	≤20
Heat dissipation			normally 10 VA at 115/120 V AC normally 10 VA at 115/230 V AC
Heat dissipation			normally 10 VA at 115/120 V AC normally 10 VA at 115/230 V AC

### Digital inputs 115/230 V AC

Number			12
Status Display			LCD-Display
Potential isolation			from the outputs: yes
Input voltage (sinusoidal)	$U_e$	V AC	Signal 0: 0 - 40 Signal 1: 79 - 264

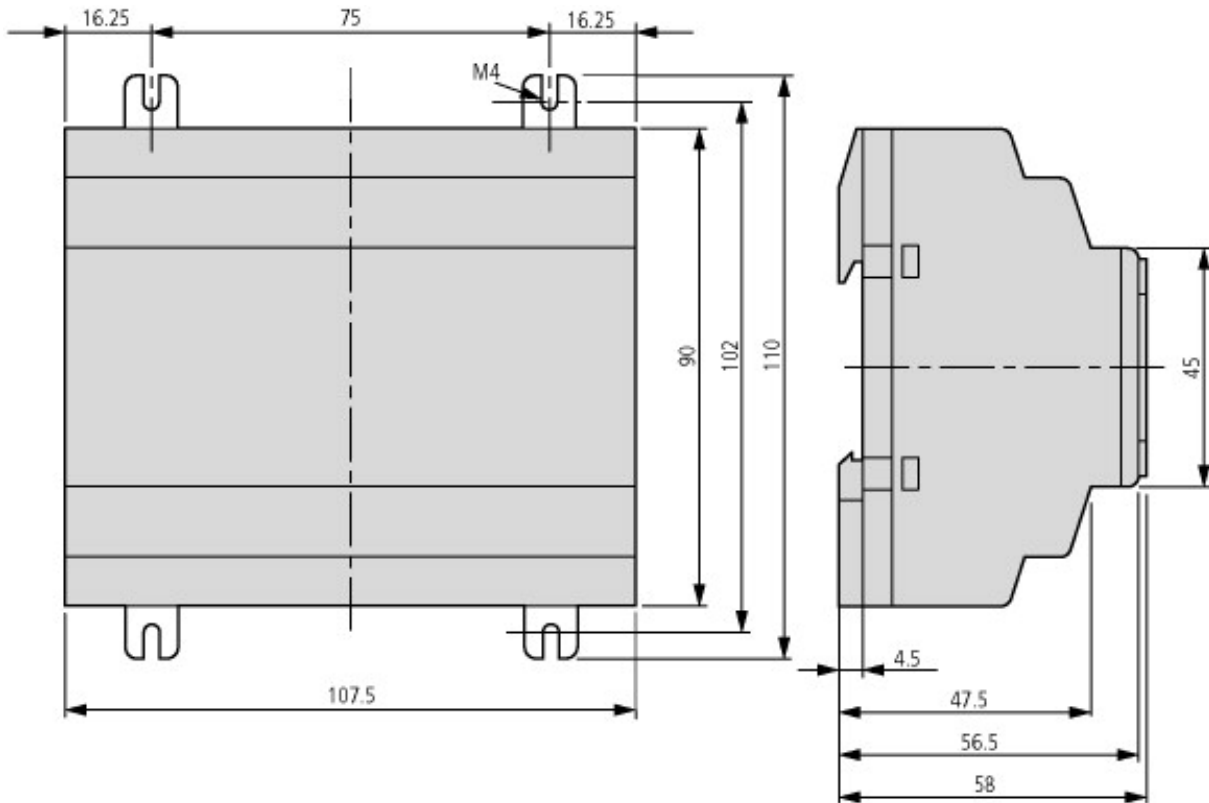
Rated frequency		Hz	50 - 60
Input current on 1 signal			
Input current at signal 1		mA	12 x 0.25 (R1 to R12)
at 230 V AC, 50 Hz		mA	12 x 0.5 (R1 to R12)
Deceleration time		ms	80/66% (0 -> 1/1 -> 0, debounce ON 50/60Hz, I1 - I6, I9 - I12, R1 - R12) 20/16% (0 -> 1/1 -> 0, debounce OFF 50/60Hz, I1 - I6, I9 - I12, R1 - R12) 80/66% (1 -> 0, debounce ON 50/60Hz, I7, I8) 20/16% (1 -> 0, I7, I8, debounce OFF 50/60Hz) 80/66% (0 - 1, I7, I8, debounce ON 50/60Hz) 20/16% (0 - 1, I7, I8, debounce OFF 50/60Hz)
Cable length		m	Normally 40 R1 to R12 (max. permissible per input) Normally 40 I1 to I6 (max. permissible per input) Normally 100 I7, I8 (max. permissible per input) Normally 40 I9 to I12 (max. permissible per input)

## Relay outputs

Number			6
Outputs in groups of			1
Parallel switching of outputs for increased output			Not permissible
Protection of an output relay			Miniature circuit-breaker B16 or fuse 8 A (slow)
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
Lifespan, mechanical	Operations	x 10 <sup>6</sup>	10
Contacts			
Conventional thermal current (10 A UL)		A	8
Recommended for load: 12 V AC/DC		mA	> 500
Short-circuit-proof $\cos \varphi = 1$ , characteristic B16 at 600 A		A	16
Short-circuit-proof $\cos \varphi = 0.5$ to 0.7, characteristic B16 at 900 A		A	16
Rated impulse withstand voltage $U_{imp}$ of contact coil		kV	6
Rated operational voltage	$U_e$	V AC	250
Rated insulation voltage	$U_i$	V AC	250
Safe isolation according to EN 50178		V AC	300 between coil and contact 300 between two contacts
Breaking capacity			
AC-15, 250 V AC, 3 A (600 Ops./h)	Operations		300000
DC-13, L/R  150 ms, 24 V DC, 1 A (500 S/h)	Operations		200000
Filament bulb load			
1000 W at 230/240 V AC	Operations		25000
500 W at 115/120 V AC	Operations		25000
Fluorescent lamp load			
Fluorescent lamp load 10 x 58 W at 230/240 V AC			
With upstream electrical device	Operations		25000
Uncompensated	Operations		25000
Fluorescent lamp load 1 x 58 W at 230/240 V AC, conventional, compensated	Operations		25000
Switching frequency			
Mechanical operations		x 10 <sup>6</sup>	10
Switching frequency		Hz	10
Resistive load/lamp load		Hz	2
Inductive load		Hz	0.5
UL/CSA			
Uninterrupted current at 240 V AC		A	10
Uninterrupted current at 24 V DC		A	8
AC			
Control Circuit Rating Codes (utilization category)			B 300 Light Pilot Duty

Max. rated operational voltage	V AC	300
max. thermal continuous current $\cos \varphi = 1$ at B 300	A	5
max. make/break $\cos \varphi \neq$ capacity 1 at B 300	VA	3600/360
DC		
Control Circuit Rating Codes (utilization category)		R 300 Light Pilot Duty
Max. rated operational voltage	V DC	300
Max. thermal uninterrupted current at R 300	A	1
Max. make/break capacity at R 300	VA	28/28

## Dimensions



1 3 0 6 2 0 0 6

## 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](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](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](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](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](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](ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN04902001Z_EN.pdf)