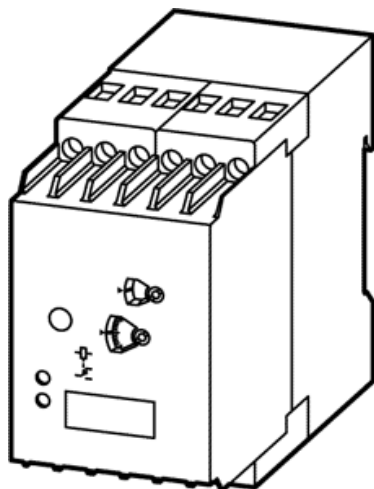


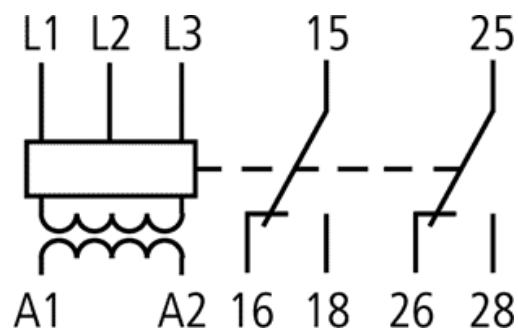
Type: **EMR4-W500-2-C**
Article No.: **221785**



Ordering information

Monitoring voltage			$U_{\min}$ 300 – 380 V AC $U_{\max}$ 420 – 500 V AC
Supply voltage			160 330 V AC

Contact sequence



General

Standards			IEC/EN 60255-6, EN 61 557, UL, CSA, GL
Lifespan, mechanical	Operations	$\times 10^6$	30
Climatic proofing			Damp heat, cyclical to IEC 60068-2-30: 24 h cycle, 55° C, 93% relative humidity, 96 h
Ambient temperature			

Open		°C	–25/+65
Storage		°C	–40/+85
Mounting position			As required
Mechanical shock resistance		g	10
Degree of protection			
Terminals			IP 20
Weight		kg	0,3
Terminal capacities			
Solid		mm ²	2 × 2.5
Flexible with ferrule		mm ²	2 × 2.5
Standard screwdriver		mm	5.5 × 0.8
Tightening torque		Nm	0,5 – 0,8
Fixing			Snap fixing, top–hat rail IEC/EN 60715

Contacts

Rated impulse withstand voltage	U_{imp}	V AC	4000
Overvoltage category/pollution degree			III/3
Rated insulation voltage	U_i	V AC	400

Power supply

Supply voltage AC		V AC	160 – 300
Voltage tolerance		× U_c	0,85 – 1,1
Power consumption		VA	3
Rated frequency		Hz	50 – 60
Duty factor		% DF	100

Timing cycle

Response delay time		s	Adjustable 0.1 – 10
Reset delay/Off–delay time		s	Adjustable 0.1 – 10
Time error within supply voltage		%	0,5
Time error within temperature range		%/°C	0,06

Measuring circuits

Response range for undervoltage	U_{min}	V AC	300 – 380
Response range for overvoltage	U_{max}	V AC	420 – 500
Hysteresis		%	0 – 5
Measuring cycle		ms	80
Temperature error		%/°C	0,06
Error within supply voltage		%	0,5

Status indication

Supply voltage			LED, green
Output relay energized			LED, yellow

Overvoltage			LED >U, red
Undervoltage			LED
Phase failure, phase sequence error			LED P, red

Relay output contacts

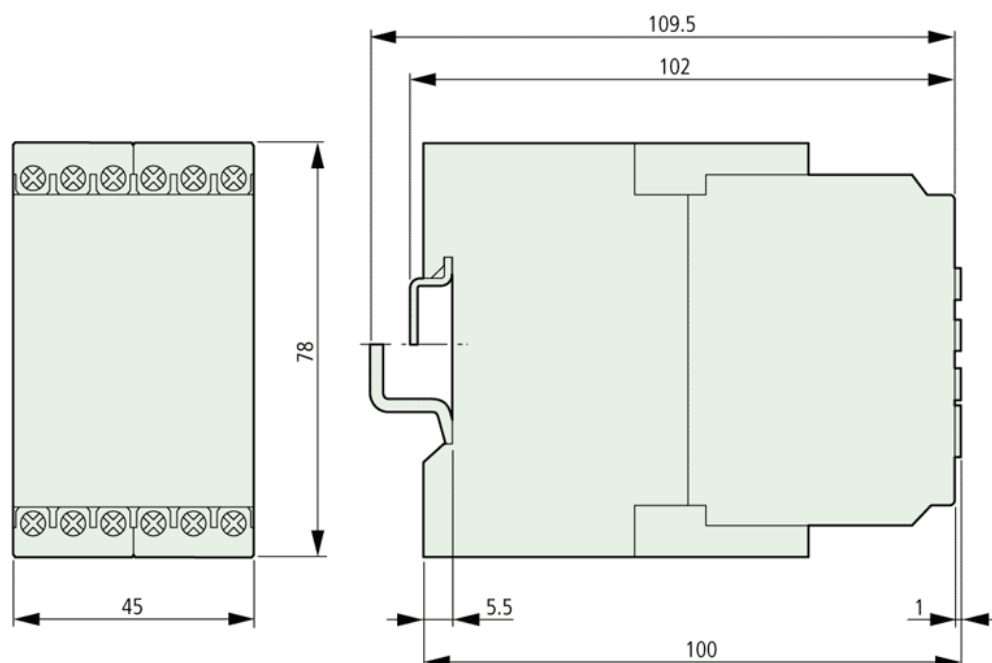
Rated operational voltage	U_e	V AC	500
Rated operational current			
AC-12 at 230 V	I_e	A	5
AC-15 with 230 V	I_e	A	3
DC-12 at 24 V	I_e	A	5
DC-13 at 24 V	I_e	A	2,5
Lifespan, electrical (AC-12/230 V/5 A)	Operations	$\times 10^6$	0,1
Short-circuit rating			
max. fuse	Fast/gL	A	5

Electromagnetic compatibility (EMC)

Electromagnetic compatibility			IEC/EN 60947-6-2
ESD			IEC/EN 61000-4-2 level 3
HF-immunity to radiation			IEC/EN 61000-4-3 level 3
Burst			IEC/EN 61000-4-4 level 3
Surge			IEC/EN 61000-4-5 level 4
HF-immunity to line-conducted interference			IEC/EN 61000-4-6 level 3

Dimensions

Dimensions



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