

RUEP: Electropneumatic relay

Improving energy efficiency

The compressed air consumption of systems can be reduced by deliberately switching off pneumatic control devices when they are not used

Features

- Electromagnetic change-over valve
- Valve body made of brass, valve disc with soft seal made of FKM
- Cable gland for cables \varnothing 6...7 mm and connecting cables up to 1.5 mm²
- Compressed air connection on upper part of valve G 1/8" A, male thread



RUEP5F00*



Technical data

Power supply		
	Admissible operating time	100 %
	Power consumption	5 W (5.5 VA)
Parameters		
	Nominal flow rate ¹⁾	6.3 m ³ /h
	Leakage rate	0.6 l/h ($\Delta p = 1$ bar)
	Differential pressure	1.7 bar
Ambient conditions		
	Admissible ambient temperature	0...55 °C
	Admissible ambient humidity	< 90% rh
Construction		
	Connecting thread	Rp1/8"
	Weight	0.34 kg
Standards and directives		
	Type of protection	IP 65 (EN 60529)
	Low-voltage directive 2006/95/EC	EN 61010-1, EN 50178

Overview of types

Type	Control signal
RUEP5F001	230 V~, $\pm 15\%$, 50...60 Hz
RUEP5F002	24 V~, $\pm 20\%$, 50...60 Hz

RUEP5F002: also suitable for 24 V DC~, $\pm 20\%$

Accessories

Type	Description
0274469000	Polyamide screw-in elbow with R1/8" male thread
0277717000	Polyamide screw fitting with R1/8" male thread
0296936000	Fixing brackets for rail: top-hat rail EN 60715, 35 × 7.5 mm and 35 × 15 mm
0296937000	Fixing clip for rail EN 60715-C 20
0296938000	Fixing bracket for wall mounting
0381140001	Polyamide screw fitting with R1/8" female thread

Additional information

Fitting instructions	MV 505371
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Description of operation

A transformer in the plug converts the connected alternating current to direct current for the solenoid. Solenoid energised: Through

- A–P open

¹⁾ Flow of air at 1 bar in relation to atmosphere



- A–R closed
- Solenoid de-energised: Through
- A–R open
 - A–P closed

Intended use

This product is only suitable for the purpose intended by the manufacturer, as described in the "Description of operation" section.

All related product documents must also be adhered to. Changing or converting the product is not admissible.

Engineering and fitting notes

Because of the self-heating of the electropneumatic relay, particularly in the cabinet at the upper connection R, it must be ensured that the material used for the plastic tubing is resistant to temperatures of at least 80 °C (e.g. polyamide).



Beware of injury

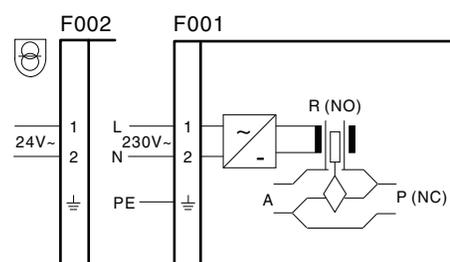
The must be a warning not to touch the relay during or immediately after operation.

Disposal

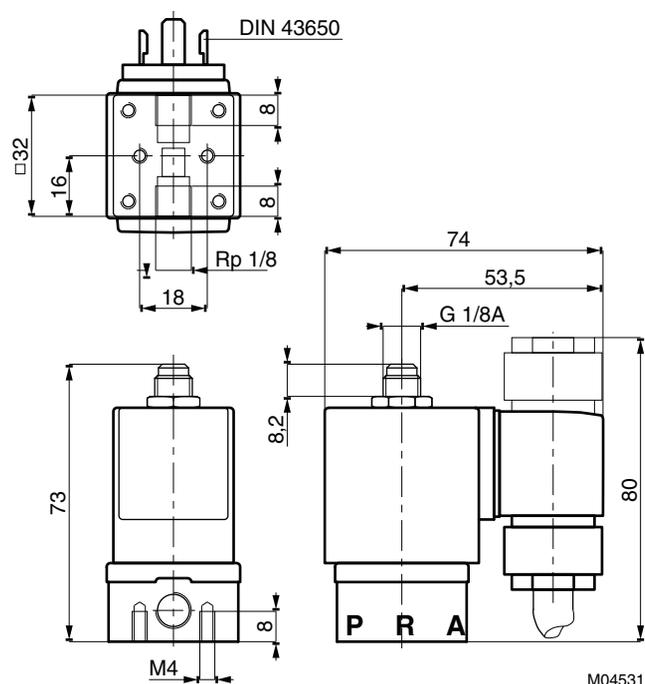
When disposing of the product, observe the currently applicable local laws.

More information on materials can be found in the Declaration on materials and the environment for this product.

Connection diagram

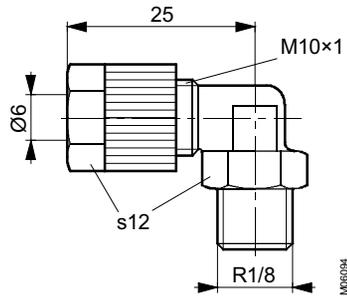


Dimension drawing

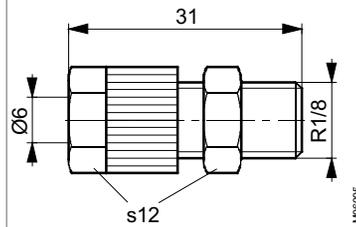


Accessories

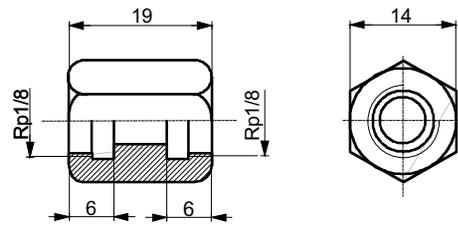
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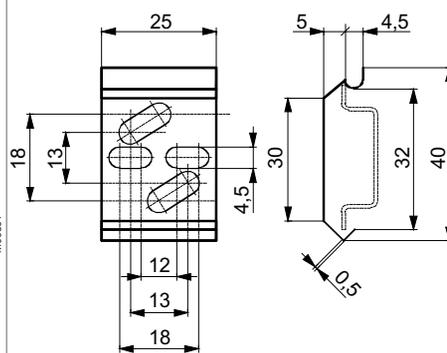
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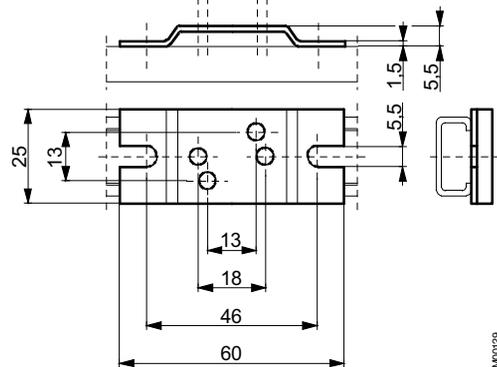


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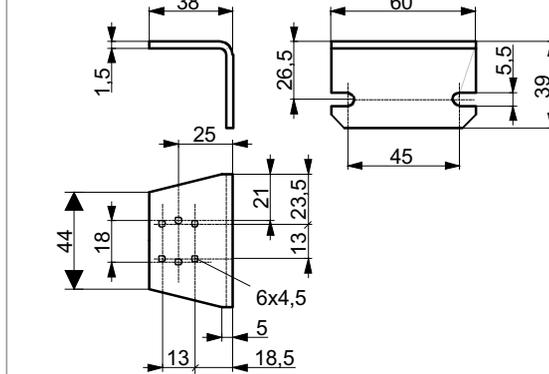
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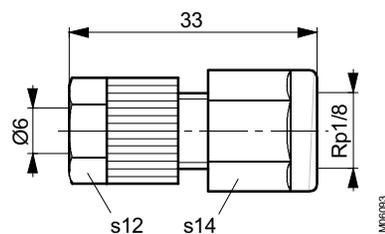
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