

## RUEP: Electro-pneumatic relay

Used for on/off or change-over switching operations in electro-pneumatic control systems. For control-pressure and supply-pressure lines of  $6 \times 1$  mm. Conforms to the regulations on pressure equipment (97/23/EG Art. 3.3).

Valve body of brass; valve disc with soft sealing of FPM (Viton); solenoid-activated valve; coil is enclosed in synthetic resin; a.c. connection with rectifier integrated within the plug; earth terminal inside the plug; screw terminals for wire of up to  $1.5 \text{ mm}^2$ ; cable screw fitting for cable of  $6...7$  mm diameter; compressed-air connection on the upper part of the valve,  $G \frac{1}{8}$  A male thread; suitable for mounting on either wall or rail (C EN 50024 or EN 50022, see accessories) in a location which offers some protection against casual physical contact, e.g. in a cabinet.



T04576



Y03184

Type	Flow rate <sup>1)</sup> $\text{m}^3/\text{h}$	Connector thread	Voltage	Weight kg
<b>RUEP 5 F001</b>	6.3	$R_p \frac{1}{8}$	230 V~	0.34
<b>RUEP 5 F002</b>	6.3	$R_p \frac{1}{8}$	24 V~ <sup>2)</sup>	0.34
Control voltage	230 V~ 24 V~	$\pm 15\%$ , 50...60 Hz $\pm 20\%$ , 50...60 Hz	Permissible ambient temp. Permissible amb. humidity Degree of protection	0...55 °C < 90 %rh IP 65 (EN 60529)
Power consumption	5 W (5.5 VA)		Connection diagram Dimension drawing Fitting instructions	<a href="#">A04522</a> <a href="#">M04531</a> <a href="#">MV 505371</a>
Permissible pressure or differential pressure	1.7 bar			
Leakage rate ( $\Delta p = 1$ bar)	0.6 l/h			
Permissible duty cycle	100%			

### Accessories

- 0274469 000\*** Screw-type bracket of polyamide with  $R \frac{1}{8}$  male thread
- 0277717 000\*** Screw fitting of polyamide with  $R \frac{1}{8}$  male thread
- 0296931 000\*** Adaptor with female thread  $R_p \frac{1}{8}$
- 0296936 000\*** Fixing bracket for rail EN 50022–35 × 7.5 and 35 × 15
- 0296937 000\*** Fixing clip for rail C EN 50024–C 20
- 0296938 000\*** Bracket for wall mounting
- 0381140 001\*** Screw fitting of polyamide with  $R_p \frac{1}{8}$  female thread

\*) Dimension drawing or wiring diagram are available under the same number

1) Flow of air at 1 bar with respect to atmosphere

2) Also suitable for 24 V–,  $\pm 20\%$

### Operation


The alternating current connected to the unit is converted by the integrated rectifier into d.c. for the solenoid.

Solenoid energised: passage A–P open  
A–R closed

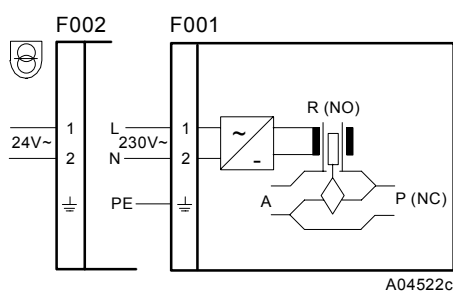
Solenoid de-energised: passage A–R open  
A–P closed

### Engineering and fitting notes

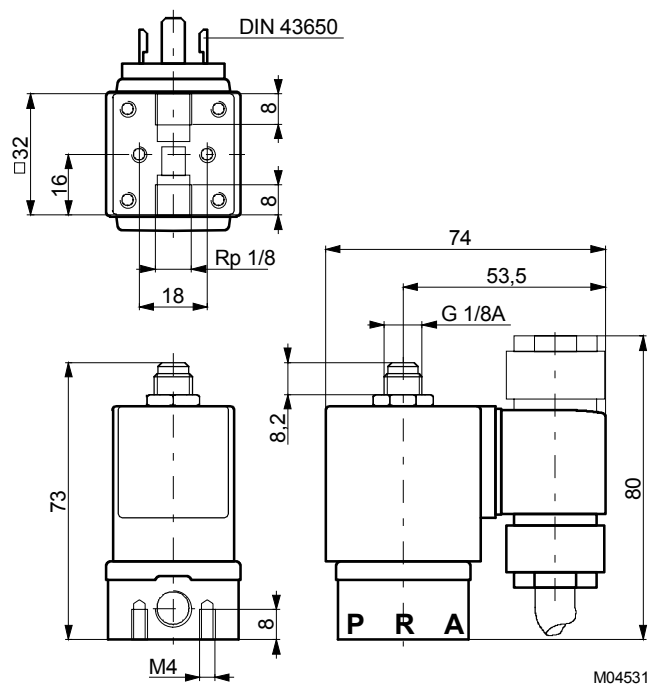
Because of the self-heating properties of the electropneumatic relay, especially in panels at the upper connector R, the material used for the plastic tubing should be suitable for use in temperatures of at least 80 °C (e.g. polyamide).

 Do not touch the relay while it is in use or just after it has been switched off.

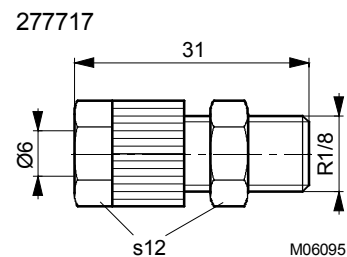
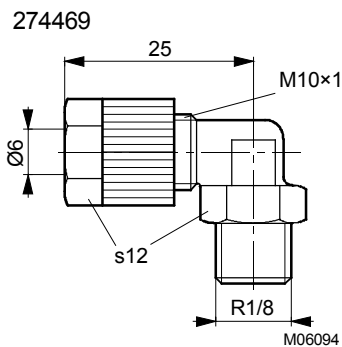
### Wiring diagram



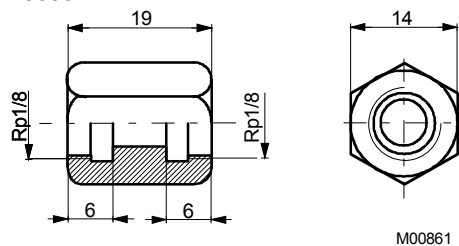
## Dimension drawing



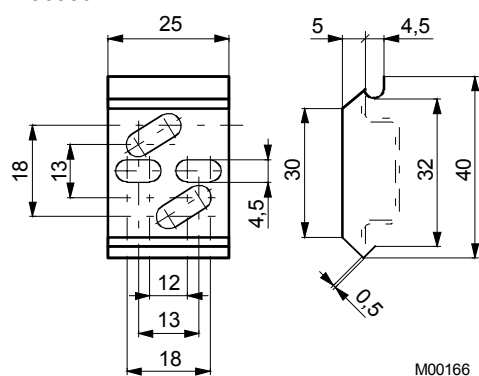
## Accessories



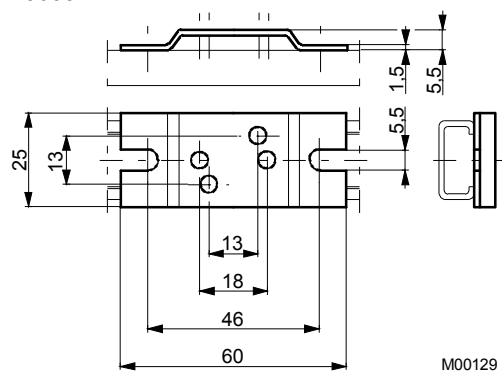
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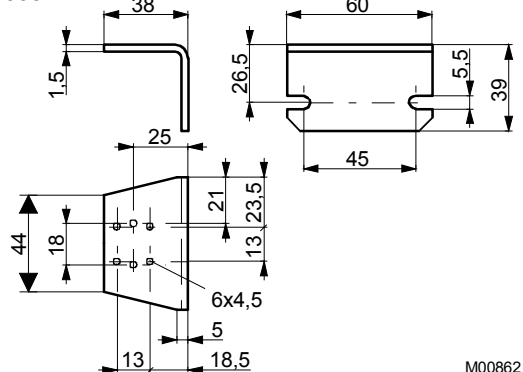
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