

B&R Relays

BR551 - 40 AMP Auto Relay

Features

- 40A switching capability
- 1 form A, 1 form B, 1 form C contact form
- Various mounting terminations available
- Outline dimensions: 28.0X28.0X25.0mm



Specifications

Contact Form	1A, 1B, 1C, 1U, 2A
Contact Material	AgSnO2
Max Operating Current	40A
Max Operating Voltage	27VDC
Rated Load (Resistive load)	1A:40A 13.5VDC 20A 27VDC 1C:NO/NC 40A/30A 13.5VDC 20A/15A 27VDC
Insulation Resistance	100MΩ
Dielectric Strength (Coil and Contact)	500VAC/M
Ambient Temperature	-40°C~+85°C
Operate/Release Time	10ms/10ms
Mechanical Life	1 X10 ⁷
Electrical Life	1 X10 ⁵
Terminal Type	Quick connection

Coil Ratings

	Normal voltage (VDC)	Pick-up voltage (VDC)	Drop-out voltage (VDC)	Coil resistance (Q±10%)	Parallel resistance (Q±5%)	Equivalent resistance (Q±10%)	Coil Power (W)	Max-allowable overdrive voltage ¹⁾ (VDC)	
								20 °C	85 °C
								Standard	12
12	8.4	1.2	80	680	79.5	1.8	20.2		15.7
24	16.8	2.4	360	-	-	1.6	40.5		31.5
24	16.8	2.4	320	2700	317.6	1.8	40.5		31.5

ORDERING GUIDE

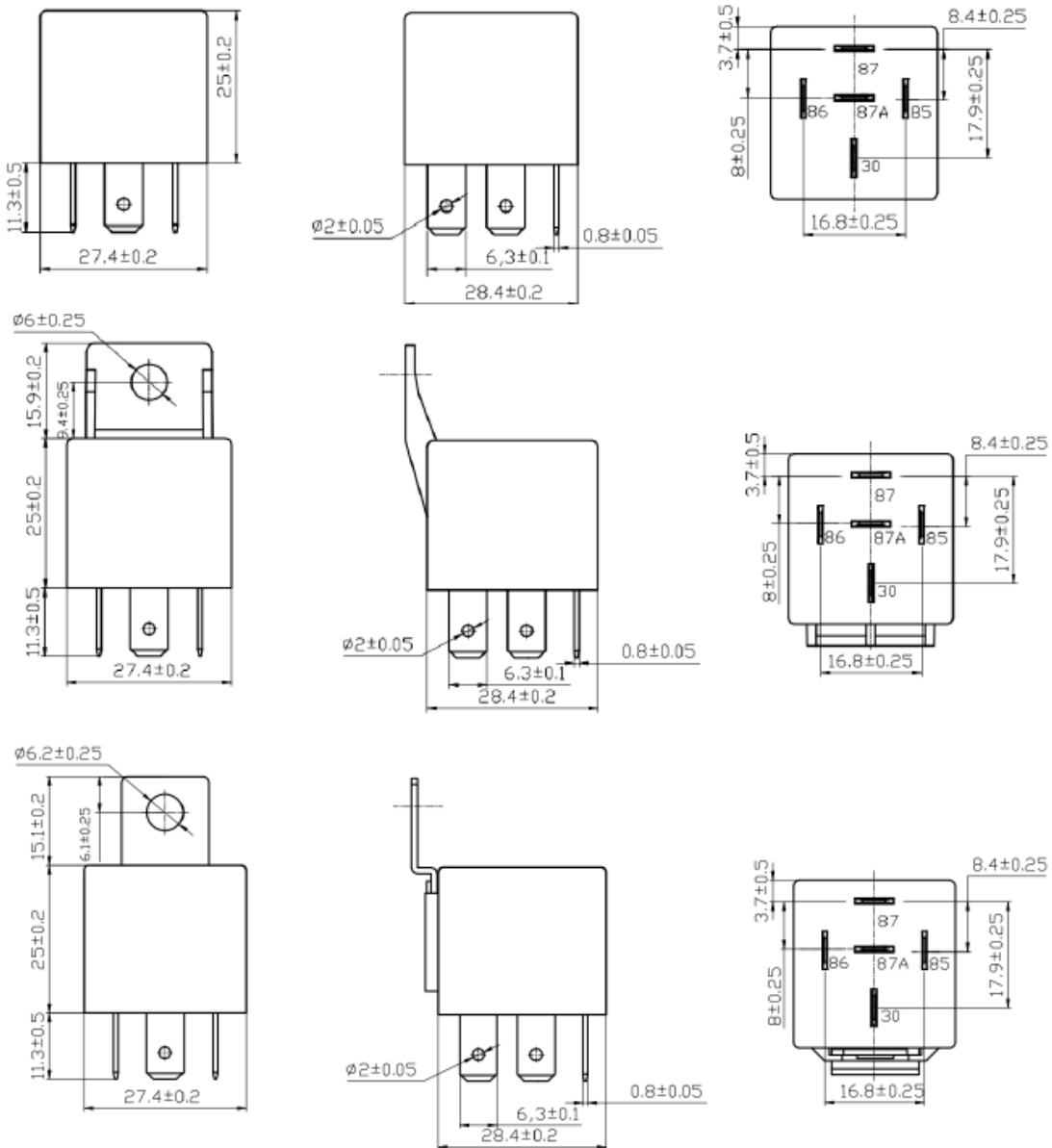
	BR551	12VDC	1A	R	-
Mold:					
Voltage: 12:12VDC 24: 24VDC					

Contact form: 1A: Normal open; 1B: Normal close;
1C: Changeover

Polarity: R: Resistor; D: Diode; N/A: No polarity

Customize XXX: N/A:

External Dimensions 551, 551P Plastic Bracket , 551M Universal Metal Bracket



Remark: (1) In case of no tolerance shown in outline dimension: outline dimension≤1mm, tolerance should be ±0.2mm;
Outline dimension > 1mm and ≤5mm, tolerance should be ±0.3mm; outline dimension > 5mm, tolerance should be ±0.4mm.