


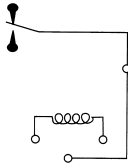
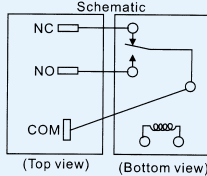
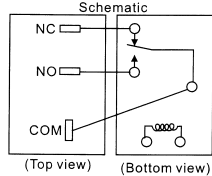
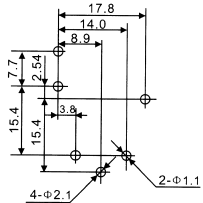
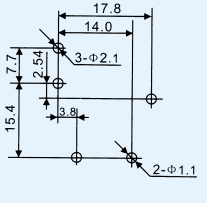
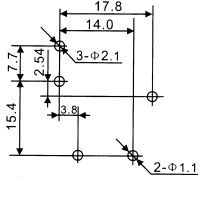







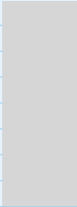

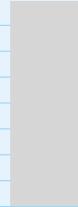

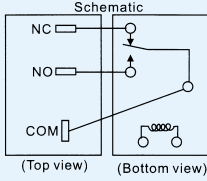
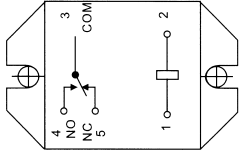
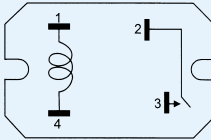
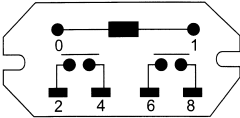
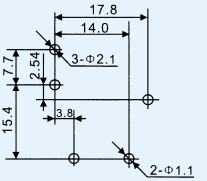
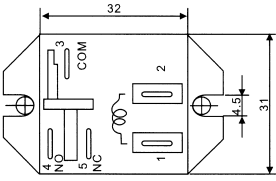
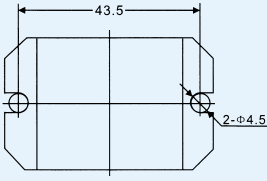
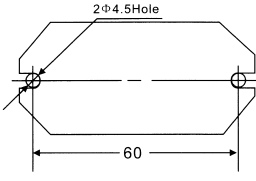


# MINIATUR RELAIS

## Miniature Power Relays

Relais-Art <i>Relais Type</i>	MR29	MR30	MR31
			
<b>Abmessungen (mm)</b> <i>Outline Dimension (mm)</i>	32,2 x 27,3 x 20,2	32,1 x 26,9 x 28,0	32,1 x 26,9 x 20,0
<b>Kontakt-Art</b> <i>Contact Form</i>	1a, 1b, 1c	1a, 1b, 1c	1a, 1b, 1c
<b>Schaltstrom (A)</b> <i>Contact Transfer Current (A)</i>	40A 30A 20A 15A 10A 5A		
<b>Schaltstrom/-spannung</b> <i>Contact Capacity</i>	1a: 30 A 240 VAC 30 A 28 VDC 1c: 20 A 240 VAC 20 A 28 VDC	1a: 30 A 240 VAC 30 A 28 VDC 1c: 20 A 240 VAC 20 A 28 VDC	1a: 30 A 240 VAC 30 A 28 VDC 1c: 20 A 240 VAC 20 A 28 VDC
<b>Spulenspannung</b> <i>Coil Voltage</i>	3-110 VDC 9-220 VAC	3-110 VDC 9-220 VAC	3-110 VDC 9-220 VAC
<b>Spulenleistung (w)</b> <i>Coil Power (w)</i>	0,9 W 1,2 VA	0,9 W 1,2 VA	0,9 W 1,2 VA
<b>Kontaktwiderstand</b> <i>Contact Resistance</i>	≤50 mΩ	≤50 mΩ	≤50 mΩ
<b>Isolationswiderstand</b> <i>Insulation Resistance</i>	≥100 MΩ	≥100 MΩ	≥100 MΩ
<b>Lebensdauer</b> <i>Service Life</i>	<b>Elektrisch</b> <i>Electrical</i> 1 x 10 <sup>5</sup> <b>Mechanisch</b> <i>Mechanical</i> 1 x 10 <sup>7</sup>	1 x 10 <sup>5</sup> 1 x 10 <sup>7</sup>	1 x 10 <sup>5</sup> 1 x 10 <sup>7</sup>
<b>Prüfspannung</b> <i>Dielectric Strength</i>	<b>Kontakt-Kontakt</b> <i>Contact-Contact</i> 1.500 VAC <b>Spulenkontakt</b> <i>Coil-Contact</i> 2.500 VAC	1.500 VAC 2.500 VAC	1.500 VAC 2.500 VAC
<b>Umgebungstemperatur</b> <i>Operation Temperature</i>	-40 °C~+85 °C	-40 °C~+85 °C	-40 °C~+85 °C
<b>Anschlusschaltbild</b> <i>Terminal Arrangement</i>		<b>Schematic</b> 	<b>Schematic</b> 
<b>Anschlussraster</b> <i>Contact Grid</i>			
<b>Anschluss-/Befestigungsart</b> <i>Mounting Method</i>	Lötpin <i>PCB</i>	Lötpin & Fasten <i>PCB &amp; Quick-connect</i>	Lötpin & Fasten <i>PCB &amp; Quick-connect</i>
<b>Gewicht (ca.)</b> <i>Weight (Approx.)</i>	23,0 g	34,0 g	30,0 g
<b>Approbationen</b> <i>Approvals</i>			

MR32	MR33	MR34	MR35
			
32,2 x 27,4 x 27,0	32,0 x 31,0 x 21,0	35,4 x 32,0 x 26,1	68,5 x 34,5 x 49,0
1a, 1b, 1c	1a, 1c	1a	2a
			
1a: 30 A 240 VAC 30 A 28 VDC 1c: 20 A 240 VAC 20 A 28 VDC	1a: 25 A 250 VAC 25 A 30 VDC 1,5 HP 220 VAC 1c: 15 A 250 VAC 15 A 30 VDC	30 A 250 VAC 2 HP 250 VAC	25 A 277 VAC 2 HP 277 VAC
3-110 VDC 9-220 VAC	3-48 VDC	3-60 VDC	12-110 VDC 12-240 VAC
0,9 W 1,2 VA	0,90	1,20	1,9 W 2,5-2,7 VA
≤50 mΩ	≤50 mΩ	≤50 mΩ	≤50 mΩ
≥100 MΩ	≥1.000 MΩ	≥1.000 MΩ	≥1.000 MΩ
1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>	1 x 10 <sup>5</sup>
1 x 10 <sup>7</sup>	1 x 10 <sup>7</sup>	1 x 10 <sup>7</sup>	1 x 10 <sup>7</sup>
1.500 VAC	1.000 VAC	1.200 VAC	2.000 VAC
2.500 VAC	3.000 VAC	4.000 VAC	4.000 VAC
-40 °C~+85 °C	-40 °C~+85 °C	-40 °C~+85 °C	-40 °C~+85 °C
			
			
Lötpin & Fasten PCB & Quick-connect 32,0 g	Lötpin TM 42,0 g	Lötpin TM 55,0 g	Schraubanschluss Socket & Screw 100,0 g
