



- Height 16 mm
- IP 40 or IP 67
- For PCB and sockets (1C/O)
- Accessories: sockets and modules for 1C/O
- Recyclable packing
- Terminals layout patterns: **3,2** - 5,0 - 2,5 - 3,5 mm

Contacts

Contact number & arrangement		1C/O, 1NO
Contact material		AgCdO , AgSnO ₂ , AgCdO/Au 3,5 μm
Max. switching voltage	AC/DC	400 V / 300 V
Min. switching voltage		24 V AgCdO, 24 V AgSnO ₂ , AgCdO/Au 3,5 μm - contact Relpol S.A.
Rated load	AC1	8 A / 250 V AC
Min. switching current		100 mA AgCdO, 100 mA AgSnO ₂ , AgCdO/Au 3,5 μm - contact Relpol S.A.
Max. inrush current		10 A
Rated current		8 A
Max. breaking capacity	AC1	2 000 VA
Min. breaking capacity		2,4 W AgCdO, 2,4 W AgSnO ₂ , AgCdO/Au 3,5 μm - contact Relpol S.A.
Resistance		≤ 100 mΩ
Max. operating frequency		
• at rated load	AC1	3 600 cycles/hour
• no load		20 000 cycles/hour

Coil

Rated voltage	DC	3...110 V
Operating range of supply voltage		see Table 1
Rated power consumption	DC	0,23...0,4 W

Insulation

Insulation category		C250
Insulation rated voltage		250 V AC
Insulation max. voltage		400 V AC
Dielectric strength		
• coil - contact		4 000 V AC
• contact - contact		1 000 V AC
Contact - coil distance		
• clearance		≥ 8 mm
• creepage		≥ 8 mm

General data

Operating time (typical value)		9 ms
Release time (typical value)		3 ms
Electrical life		
• resistive AC1		> 10 ⁵ 8 A, 250 V AC
• cos φ = 0,4		> 10 ⁵ 5 A, 250 V AC
Mechanical life (cycles)		> 3 x 10 ⁷
Dimensions (L x W x H)		29 x 10 x 15 mm
Weight		10 g
Ambient temperature		
• storing		-40...+80 °C
• operating		-40...+70 °C
Cover protection category		IP 67
Shock resistance		10 g
Vibration resistance		10 g 45...100 Hz
Solder bath temperature		max. 270 °C
Soldering time		max. 5 s

Standard contact material marked with bolt type.

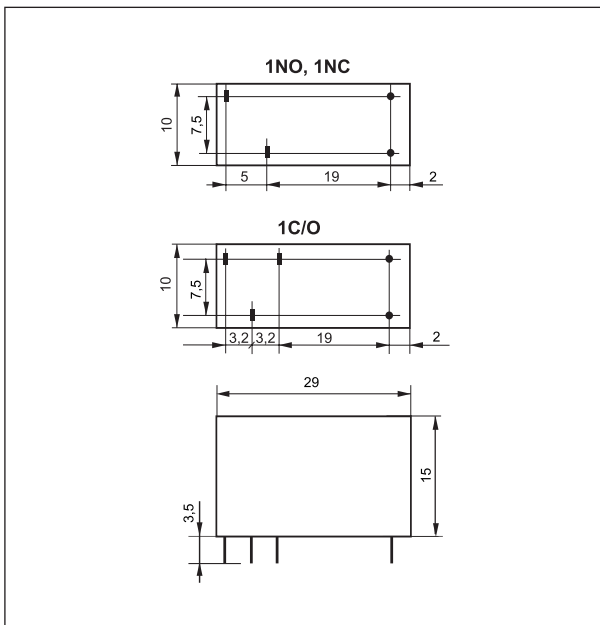


Coil data - DC voltage version

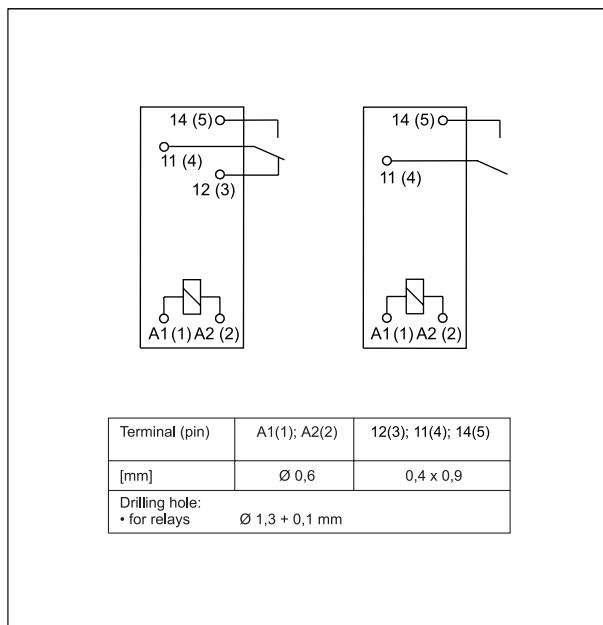
Table 1

Coil code	Rated voltage V DC	Coil resistance ±10% at 20 °C Ω	Coil operating range at 20 °C V DC	
			min.	max.
1003	3	40	2,0	5,3
1005	5	115	3,4	9,0
1006	6	160	4,0	10,6
1008	8	290	5,4	14,2
1012	12	640	8,4	21,2
1018	18	1 450	12,6	31,9
1024	24	2 550	16,0	42,2
1048	48	10 250	33,5	84,7
1110	110	31 000	73,01	147,0

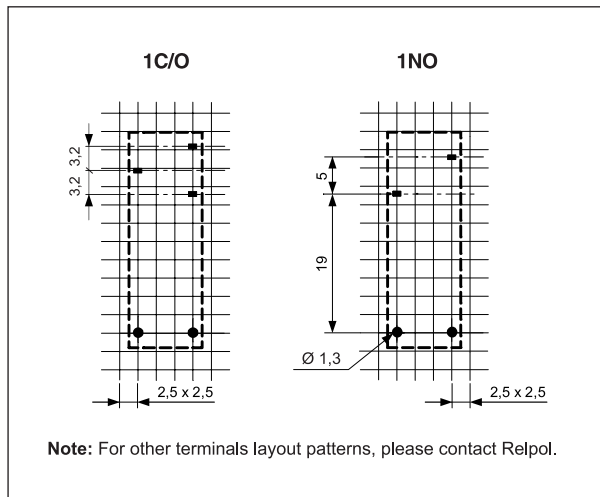
Dimensions



Connections diagram (pin side view)



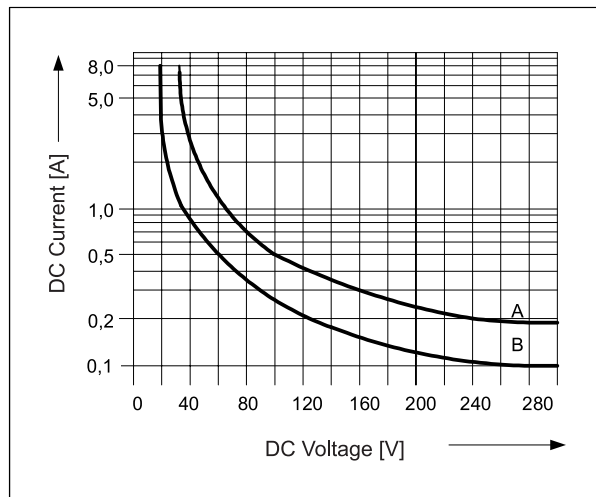
Mounting holes layout
(view from soldering side)



Max. breaking capacity

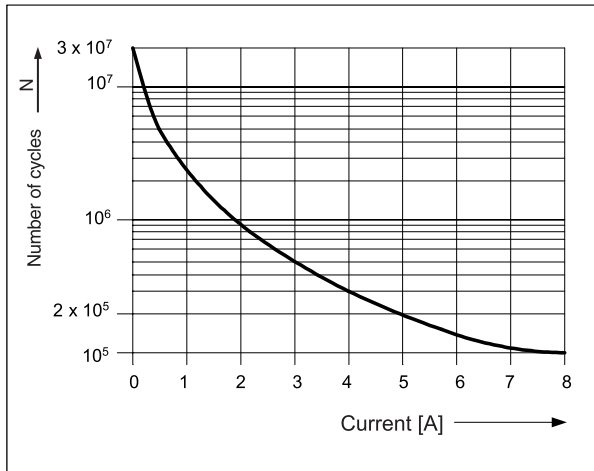
- A - resistive load
- B - inductive load (L/R ≤ 40 ms)

Fig. 1



Electrical life at 250 V AC, 360 cycles/hour

Fig. 2



Mounting

Relays **RM960 1NO** are mounted only on PCBs.

Relays **RM960 1C/O** (3,2 mm pinning) are designed for:

- direct PCB mounting
- screw terminals sockets **GZ96** with clip **MS16**, 35 mm DIN rail mount, EN 50022 or on panel mounting. **M...** type signalling and protection plug-in modules are available with sockets (see page 170)
- terminals sockets for PCB mounting **GW96** with clip **MH16-2**.

Ordering codes

