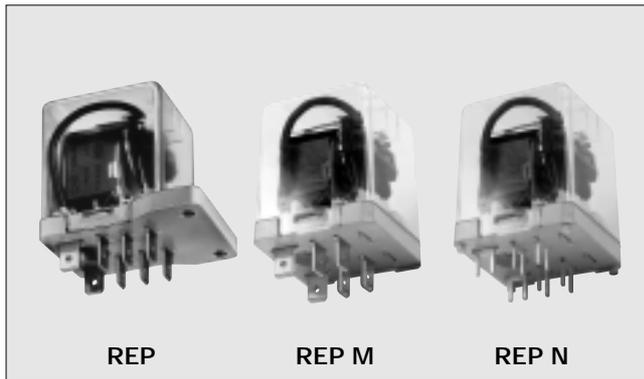


Industrial Relay

Type REP/REP M/REP N

Monostable

CARLO GAVAZZI



- Reinforced insulation 4 kV/8 mm
- Switching capacity 16 A REP, REPM/REPN
- AC coils 6 to 240 VAC
- DC coils 6 to 110 VDC
- 2 normally open or 2 change over contacts
- General purpose, industrial application
- VDE approved

Product Application

- Laser cutting machines
- Burners controls
- Robots
- Tooling machines
- Sheet metal working machines
- Welding automatic machines
- Industrial floor washing

Ordering Key

REP M 200 24 DC

Type _____
 Contact code _____
 Rated coil voltage _____
 DC / AC _____

Type:

- REP = Version with Fast-on terminals and mounting flange
- REPM = Version with Fast-on terminals
- REPN = Version with PCB terminals

Type Selection

Contact configuration	Contact rating	Contact code
2 normally open contacts (DPST {2-form A})	16 A	200
2 change over contacts (DPDT {2-form C})	16 A	002

Coil Characteristics (20°C)

Rated voltage	REP / REP M / REP N		
	200 - DC 4KV/8mm	002 - DC	200/002 - AC
	Winding resistance $\Omega \pm 10\%$	Winding resistance $\Omega \pm 10\%$	Winding resistance $\Omega \pm 10\%$
6	19	28	5.3
12	70	120	22.0
24	318	500	80.0
48	-	2000	350.0
60	-	3200	-
110	-	10000	2000.0
220	-	-	8400.0
230	-	-	7700.0
240	-	-	10000.0

Contact Characteristics

REP /REPM / REP N	200	200 4kV 8mm	002
Rating	16 A		
Material	Ag CdO		
Current	16 A (4A for motor load)		
Rated current	100 mA at 24 VDC		
Min. switching current			
Voltage	250 VAC		
Rated voltage	380 VAC		
Max. switching voltage			
Max. switching power (with resistive load in AC)	4000 VA		
Life (with load)	10000 cycles		
250 VAC 16A cos 1.0	100000 cycles		
250 VAC 5A cos 0.4	50000 cycles		
250 VAC 16A cos 0.4	1000 cycles/h continuously		
Max. switching frequency	10 ⁶		10 ⁷
Mechanical expected life			
Air distance gap between open contacts (mm)	3		0.6

Insulation

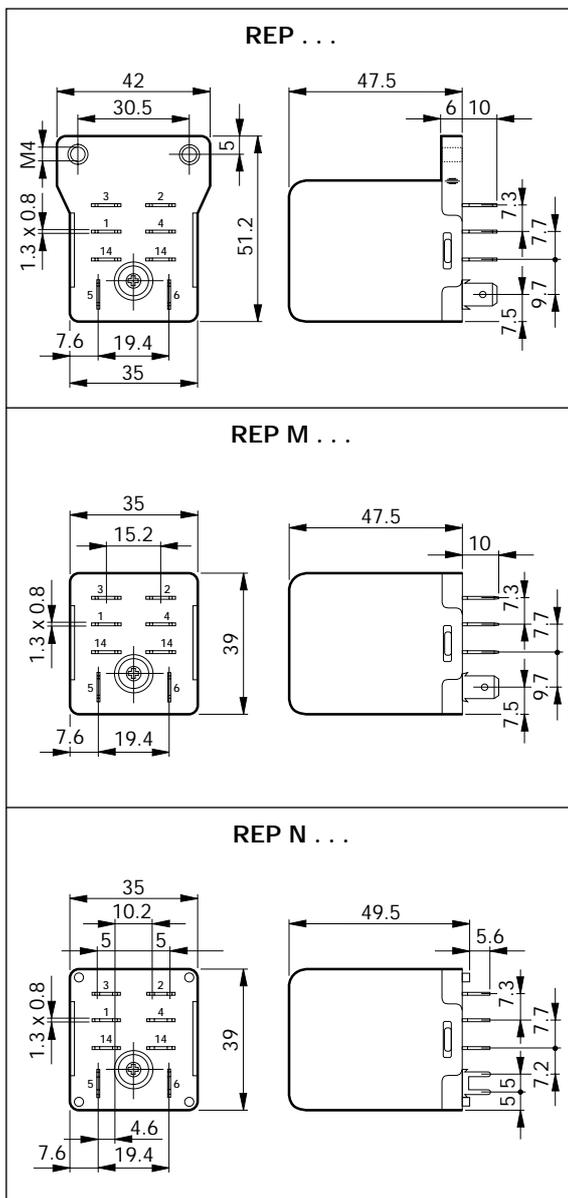
REP/REP M/REP N	200	200 4kV 8mm	002
Test voltage (1 min.)	2500 VAC	4000 VAC	2500 VAC
Contacts/coil	2500 VAC	4000 VAC	2500 VAC
Contacts/frame	2500 VAC	2500 VAC	2500 VAC
Contact/contact	2500 VAC	2500 VAC	2500 VAC
Coil/frame	2500 VAC	2500 VAC	2500 VAC
Insulation group	IGR	C/250	
According to VDE 0110			

²⁾ On request, 70°C ambient temperature version available.

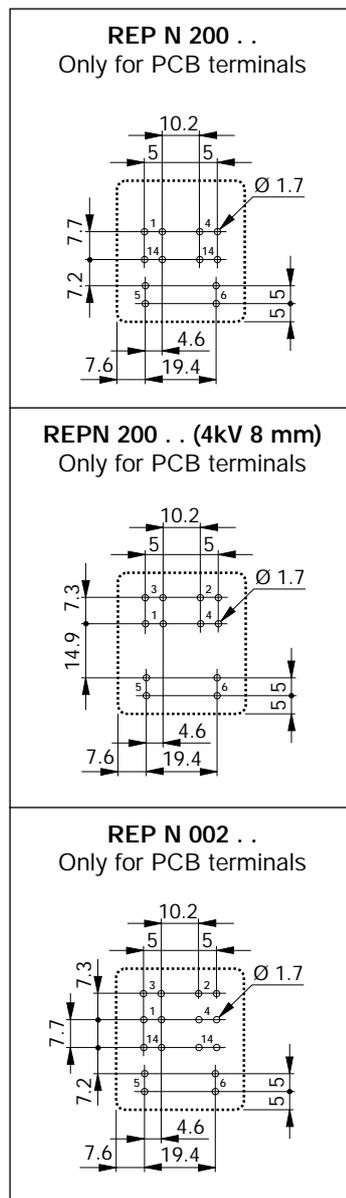
Insulation

REP/REP M/REP N	200	200 4kV 8mm	002
Operating time at rated voltage (excl. bounces)	20 ms	20 ms	15 ms
Release time (excl. bounces)	15 ms	15 ms	10 ms
Min. coil operating voltage (at nominal voltage)	85%	80%	85%
Max. coil operating voltage	110%	106%	110%
Ambient temp. ²⁾ operating storage	-10°C to +55°C -10°C to +80°C		
Coil consumption (at rated voltage)	2.5	-	2.5
	-	2.1	1.3

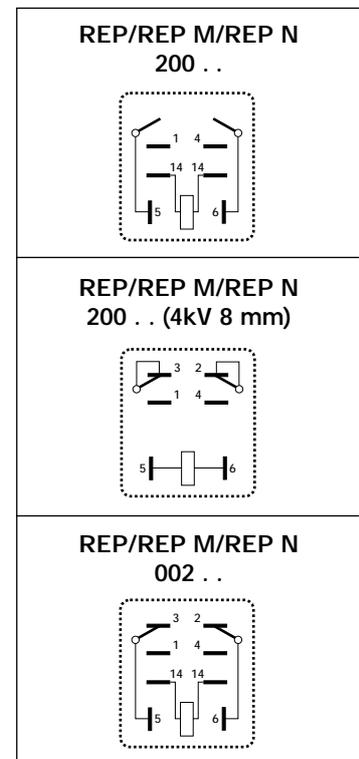
Dimensions



Pin View



Wiring Diagrams



Diagram

Number of expected cycles related to the switching current on resistive load with applied voltage 250 VAC at repetition rate of 1000 cycles/h

