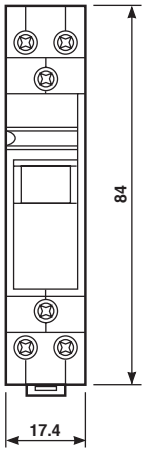
MODULAR MONOSTABLE RELAYS

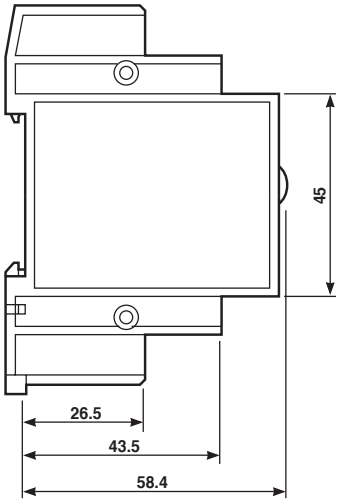
- A range of one module (17.5mm) wide modular monostable relays with 1 or 2 NO or NC 20A 250V AC contacts
- Test button
- Identification label
- AC and DC coil
- DIN 46277 rail mount
- Clamps with non removable screws, non vertically lined up to make wiring easier
- Clamps suitable for two 6 mm^2 wires each
- According to IEC 669 - 1, IEC 669 - 2 - 2, IEC 255

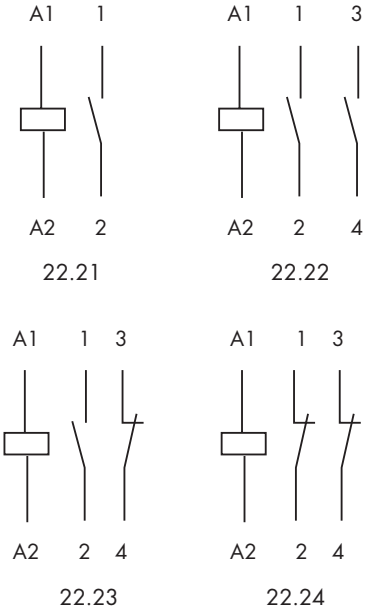
CE

MODULAR RELAY

TYPE 22.21 1 NO contact
TYPE 22.22 2 NO contacts
TYPE 22.23 1 NO contact + 1 NC contact
TYPE 22.24 2 NC contacts
- ordering information: see page 27







TECHNICAL DATA

DIELECTRIC STRENGTH tested at: leakage current ≤ 10 mA for 1 min at 50 Hz	between coil and contacts	3500 V
	between open contacts	2000 V
	between adjacent contacts	2000 V
INSULATION RESISTANCE	≥ 10 · 10^3 MΩ	
MAXIMUM SWITCHING FREQUENCY	- without load: 3600 cycles/h - at rated load: 600 cycles/h	
AMBIENT TEMPERATURE	– 40 to 40°C	
MECHANICAL LIFE	500 · 10^3 cycles	
PROTECTION CATEGORY	IP 20	

CONTACT SPECIFICATION

RATED CURRENT	20 A	
MAXIMUM PEAK CURRENT	40 A	
RATED VOLTAGE	250 V AC	
MAXIMUM SWITCHING VOLTAGE	400 V AC	
NOMINAL RATE AC1: compensated fluorescent lamps: incandescent lamps:	 5000 VA 360 W 1000 W	 230 V AC 230 V AC
ELECTRICAL LIFE	≥ 50 · 10^3 cycles	
CONTACT DISTANCE	AC = ≥ 1.5 mm DC = ≥ 1.2 mm	
STANDARD CONTACT MATERIAL	Ag Ni	

COIL SPECIFICATION

VERSIONS:
AC - alternating current 50 ÷ 60 Hz
DC - direct current

NOMINAL VOLTAGE U_N	8 - 12 - 24 - 48 - 110 - 125 - 230 - 240 V AC 12 - 24 - 48 - 110 V DC
RATED POWER CONSUMPTION	AC: 2.3 VA DC: 1.25 W
OPERATING RANGE	AC: (0.85 ÷ 1.1) U_N DC: (0.9 ÷ 1.1) U_N
TYPE OF DUTY	continuous service (RI = 1)

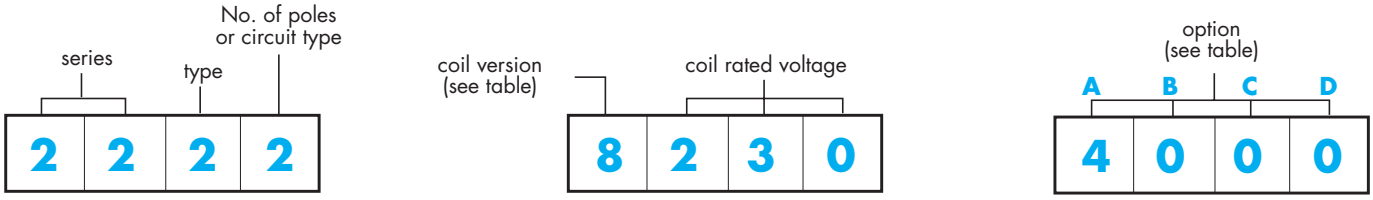
If the coil works for a prolonged period of time, adequate ventilation of the relays must be provided, for example leaving a gap of 9mm between them.

AC - DC VERSION DATA (R values relate to +20°C. Tolerance of R and I values: ±10%.)

	AC		DC	
Nominal voltage U_N (V)	Resistance R (Ω)	Current consumption I at U_N (50 Hz) (mA)	Resistance R (Ω)	Current consumption I at U_N (mA)
8	6.5	275	—	—
12	13.5	185	115	104.3
24	42	95	4460	52.2
48	185	48	1850	25.9
110	980	21	9700	11.3
125	1400	18	—	—
230	4250	10	—	—
240	4400	9.5	—	—

ORDERING INFORMATION

Example: A 22 series screw terminal modular relay with 2 NO contacts, coil rated at 230V AC



COIL VERSION

Code		Coil types
9	DC	Direct Current
8	AC	Alternating current (50/60 Hz)

OPTION

A	Contact material	B	Contact circuit	C	Light and mechanical indicators	D	Special application
0	standard	0	standard	0	standard	0	standard
4	Ag SnO_2						