

Documents corresponding to the product: EN 60947-5-1; EN 61810

Industrial Relays and Bases

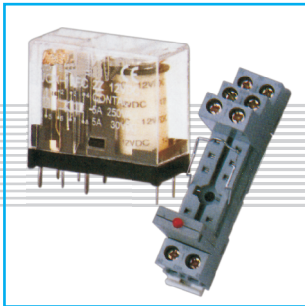
Devices intended for construction of automation and signalling boards. They are mainly used for command transfer towards the executive mechanisms. Currents of comparatively heavy values enabling the direct control of industrial executive mechanisms are commuted in comparatively small sizes. The contact surfaces are made from silver-coated electrolytic copper. The entire contact system is closed within a lid of colourless fire-proof plastic with a test-button installed to it. The base provides a safe electric connection of the conductors of the electric installation and the relays and is used to install the relay to the DIN busbar.

Technical Characteristics:

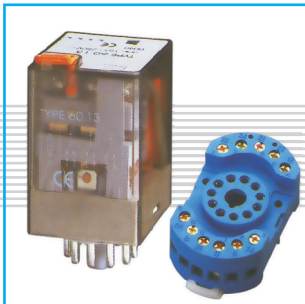
- * Supply voltage: from 12 to 230V AC, 50 Hz and from 12 to 110V DC
- * Acceptable deviation of the supply voltage: 85 -110% Un
- * Rated current of the sockets: 10A AC
- * Electrical endurance: 1 000 000 cycles
- * Isolation resistance: 500 mΩ /min (500V)
- * Impulse tension resistance: 2000V, 50Hz
- * Dielectric strength: 1000V AC/1 min
- * Turn-out time: 25ms
- * Working temperature: -5 - + 65°C
- * Humidity: 35 - 85% RH

Method of installation:

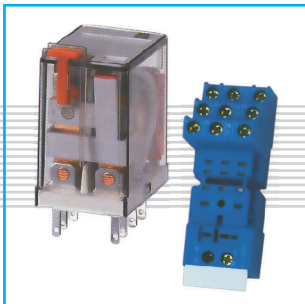
- * on a DIN rail by means of a socket



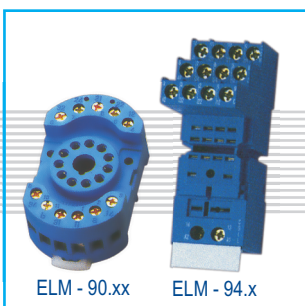
Relay type	Voltage of the coil (V)	Socket type	Resistance of the coil (Ω)	Number of contacts	Catalogue number
ELM - 14FC	12 VDC	ELM-08A	270	NO+NC	57141
ELM - 14FC	24 VDC	ELM-08A	1080	NO+NC	57142
ELM - 14FC	48 VDC	ELM-08A	4340	NO+NC	57143



Relay type	Voltage of the coil (V)	Socket type	Resistance of the coil (Ω)	Number of contacts	Catalogue number
ELM - 60.2	12 VDC	ELM - 90.22	20	2NO+2NC	57601
ELM - 60.2	24 VDC	ELM - 90.22	80	2NO+2NC	57602
ELM - 60.2	48 VDC	ELM - 90.22	320	2NO+2NC	57603
ELM - 60.2	230 VAC	ELM - 90.22	7400	2NO+2NC	57605
ELM - 60.13	12 VDC	ELM - 90.23	20	3NO+3NC	57611
ELM - 60.13	24 VDC	ELM - 90.23	80	3NO+3NC	57612
ELM - 60.13	48 VDC	ELM - 90.23	320	3NO+3NC	57613
ELM - 60.13	110 VAC	ELM - 90.23	1700	3NO+3NC	57614
ELM - 60.13	230 VAC	ELM - 90.23	7400	3NO+3NC	57615



Relay type	Voltage of the coil (V)	Socket type	Resistance of the coil (Ω)	Number of contacts	Catalogue number
ELM - 55.02	12 VDC	ELM - 94.3	42	3NO+3NC	57521
ELM - 55.02	24 VDC	ELM - 94.3	168	3NO+3NC	57522
ELM - 55.02	48 VDC	ELM - 94.3	675	3NO+3NC	57523
ELM - 55.02	230 VAC	ELM - 94.3	14000	3NO+3NC	57525
ELM - 55.04	12 VDC	ELM - 94.4	42	4NO+4NC	57541
ELM - 55.04	24 VDC	ELM - 94.4	168	4NO+4NC	57542
ELM - 55.04	48 VDC	ELM - 94.4	675	4NO+4NC	57543
ELM - 55.04	110 VAC	ELM - 94.4	3500	4NO+4NC	57544
ELM - 55.04	230 VAC	ELM - 94.4	14000	4NO+4NC	57545



Socket type	Dimensions (mm)	Number of terminals (pcs.)	Catalogue number
ELM - 08A	72 x 15	5	57901
ELM - 94.3	67 x 30	11	57902
ELM - 94.4	67 x 30	14	57903
ELM - 90.22	68 x 38	8	57904
ELM - 90.23	68 x 38	11	57905