

TECHNICAL SPECIFICATION

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 data:

- 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 m Ω /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

Variants:



Industrial Relays

Relay type	Voltage of the coil (V)	Socket type	Resistance of the coil Ω	Number of contacts	Packing / Box (pcs)	Catalogue number
ELM – 60.2	12VDC	ELM – 90.22	96	2NO+2NC	20 / 300	57601
ELM – 60.2	24VDC	ELM – 90.22	384	2NO+2NC	20 / 300	57602
ELM – 60.2	48VDC	ELM – 90.22	1540	2NO+2NC	20 / 300	57603
ELM – 60.2	230VAC	ELM – 90.22	7400	2NO+2NC	20 / 300	57605
ELM – 60.2	24VAC	ELM – 90.22		2NO+2NC	20 / 300	57606
ELM – 60.13	12VDC	ELM – 90.23	96	3NO+3NC	20 / 300	57611
ELM – 60.13	24VDC	ELM – 90.23	384	3NO+3NC	20 / 300	57612
ELM – 60.13	48VDC	ELM – 90.23	1540	3NO+3NC	20 / 300	57613
ELM – 60.13	110VAC	ELM – 90.23	1700	3NO+3NC	20 / 300	57614
ELM – 60.13	230VAC	ELM – 90.23	7400	3NO+3NC	20 / 300	57615
ELM – 60.13	24VAC	ELM – 90.23		3NO+3NC	20 / 300	57616



Relay type	Voltage of the coil (V)	Socket type	Resistance of the coil Ω	Number of contacts	Packing / Box (pcs)	Catalogue number
ELM – 14FC	12 VDC	ELM-RT624-B	260	NO+NC	100 / 1000	57141
ELM – 14FC	24 VDC	ELM-RT624-B	1080	NO+NC	100 / 1000	57142
ELM – 14FC	48 VDC	ELM-RT624-B	4260	NO+NC	100 / 1000	57143



Relay type	Voltage of the coil (V)	Socket type	Resistance of the coil Ω	Number of contacts	Packing / Box (pcs)	Catalogue number
ELM – 55.02	12 VDC	ELM-RT702-B	42	2NO+2NC	50 / 500	57521
ELM – 55.02	24VDC	ELM-RT702-B	168	2NO+2NC	50 / 500	57522
ELM – 55.02	48VDC	ELM-RT702-B	675	2NO+2NC	50 / 500	57523
ELM – 55.02	230VAC	ELM-RT702-B	14000	2NO+2NC	50 / 500	57525

ELM – 55.02	24VAC	ELM-RT702-B		2NO+2NC	50 / 500	57526
ELM – 55.04	12VDC	ELM-RT704-B	42	4NO+4NC	50 / 500	57541
ELM – 55.04	24VDC	ELM-RT704-B	168	4NO+4NC	50 / 500	57542
ELM – 55.04	48VDC	ELM-RT704-B	675	4NO+4NC	50 / 500	57543
ELM – 55.04	110VAC	ELM-RT704-B	3500	4NO+4NC	50 / 500	57544
ELM – 55.04	230VAC	ELM-RT704-B	14000	4NO+4NC	50 / 500	57545
ELM – 55.04	24VAC	ELM-RT704-B		4NO+4NC	50 / 500	57546



Industrial Bases

Socket type	Dimensions	Number of terminals	Packing / Box (pcs)	Catalogue number
ELM – RT624-B	76x15	5	20 / 600	57901
ELM – RT702-B	76x27	11	10 / 240	57902
ELM – RT704-B	76x27	14	10 / 240	57912
ELM 90.22	68x38	8	10 / 240	57904
ELM 90.23	68x38	11	10 / 240	57905

Standards

EN 60947-5-1

EN 61810

