

## Hybrid relay - EMG 22-REL/KSR-G 24/TRN35 - 2952350

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Relay module, with miniature switching relay, with integrated NPN transistor control, for low control currents, contact (AgNi): Medium to large loads, 1 PDT, 24 V DC nominal control voltage


The figure shows version EMG 22,5 REL, with integrated n-p-n transistor control

### Your advantages

- ✓ Low control current (terminal block B), type-dependent from 0.5 mA
- ✓ Safe isolation according to DIN EN 50178 between coil and contact
- ✓ Type-dependent positive or negative control current
- ✓ Integrated input circuit and interference suppression circuit



### Key Commercial Data

Packing unit	10 pc
GTIN	 4 017918 084455
GTIN	4017918084455
Weight per Piece (excluding packing)	63.120 g
Custom tariff number	85364190
Country of origin	Germany

### Technical data

#### Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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#### Dimensions

Width	22.5 mm
Height	75 mm
Depth	62.5 mm

#### Ambient conditions

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## Technical data

### Ambient conditions

Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

### Coil side

Nominal input voltage $U_N$	24 V DC
Input voltage range in reference to $U_N$	0.9 ... 1.1
Nominal control voltage	24 V DC
Minimum control voltage	15 V DC
Maximum control voltage	35 V DC
Minimum control current	0.5 mA
Maximum control current	1 mA
Typical input current at $U_N$	21 mA
Typical response time	9 ms
Typical release time	10 ms
Protective circuit	Reverse polarity protection Polarity protection diode
	Free-wheeling diode Damping diode
Operating voltage display	Yellow LED
Power dissipation for nominal condition	0.5 W

### Contact side

Contact type	Single contact, 1-PDT
Type of switch contact	Single contact
Contact material	AgNi
Maximum switching voltage	250 V AC
	110 V DC
Maximum inrush current	8 A
Limiting continuous current	5 A
Interrupting rating (ohmic load) max.	120 W (at 24 V DC)
	60 W (at 48 V DC)
	50 W (at 60 V DC)
	50 W (at 110 V DC)
	80 W (at 220 V DC)
	1250 VA (for 250 V AC)

### General

Test voltage relay winding/relay contact	4 kV AC (50 Hz, 1 min.)
Operating mode	100% operating factor
Mechanical service life	approx. $5 \times 10^7$ cycles
Mounting position	any

### Connection data

Connection name	Coil side
Connection method	Screw connection