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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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# Relay Module - EMG 25-REL/KSR-230/2X21AU/SO46 - 2964843

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Relay interfaces against interference on the control side, with soldered-in miniature switching relays, contacts (Au): small loads, 2 PDT, input voltage 230 V AC

The illustration shows version EMG 22-REL/KSR -230/21/SO 46

## Key commercial data

| Packing unit | 1 pc |
|---|---|
| Weight per Piece (excluding packing) | 79.09 GRM |
| Custom tariff number | 85364900 |
| Country of origin | Germany |

## Technical data

### Dimensions

| Width | 25 mm |
|---|---|
| Height | 75 mm |
| Depth | 62.5 mm |

### Ambient conditions

| Ambient temperature (operation) | -20 °C ... 40 °C |
|---|---|
| Ambient temperature (storage/transport) | -20 °C ... 70 °C |

### Coil side

| Nominal input voltage $U_N$ | 230 V AC/DC |
|---|---|
| Input voltage range in reference to $U_N$ | 0.9 ... 1.1 |
| Typical input current at $U_N$ | 18 mA |
| Typical response time | 10 ms |
| Typical release time | 8 ms |

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# Relay Module - EMG 25-REL/KSR-230/2X21AU/SO46 - 2964843

## Technical data

### Coil side

| | |
|---|---|
| Operating voltage display | Yellow LED |
| Protective circuit | Bridge rectifier Bridge rectifier |
| | Surge protection Varistor |
| | RC element RC element |

### Contact side

| | |
|---|---|
| Contact type | Single contact, 2-PDT |
| Contact material | Ag, gold-flashed |
| Maximum switching voltage | 24 V AC/DC |
| Maximum inrush current | 0.2 A |
| Limiting continuous current | 0.5 A |
| Interrupting rating (ohmic load) max. | 5 W |
| Note | the following values are applicable if a gold layer is destroyed |
| Maximum switching voltage | 250 V AC/DC |
| Limiting continuous current | 5 A |

### General

| | |
|---|---|
| Test voltage relay winding/relay contact | 2.5 kV AC (50 Hz, 1 min.) |
| Mechanical service life | Approx. $2 \times 10^7$ cycles |
| Standards/regulations | IEC 60664 |
| | IEC 60664 A |
| | DIN VDE 0110 |
| | DIN VDE 0109-11, draft |
| | IEC 60255/DIN VDE 0435 (in relevant parts) |
| Pollution degree | 2 |
| Surge voltage category | III |
| Mounting position | any |

### Connection data

| | |
|---|---|
| Connection method | Screw connection |
| Stripping length | 8 mm |
| Conductor cross section stranded min. | 0.2 mm² |
| Conductor cross section stranded max. | 2.5 mm² |
| Conductor cross section solid min. | 0.2 mm² |
| Conductor cross section solid max. | 4 mm² |
| Conductor cross section AWG/kcmil max | 12 |
| Conductor cross section AWG/kcmil min. | 24 |
| Screw thread | M3 |

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# Relay Module - EMG 25-REL/KSR-230/2X21AU/SO46 - 2964843

## Classifications

### eCl@ss

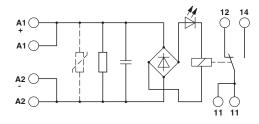| eCl@ss 4.0 | 27371102 |
|---|---|
| eCl@ss 4.1 | 27371102 |
| eCl@ss 5.0 | 27371001 |
| eCl@ss 5.1 | 27371001 |
| eCl@ss 6.0 | 27371001 |
| eCl@ss 7.0 | 27371001 |
| eCl@ss 8.0 | 27371001 |

### ETIM

| ETIM 2.0 | EC000196 |
|---|---|
| ETIM 3.0 | EC000196 |
| ETIM 4.0 | EC000196 |
| ETIM 5.0 | EC000196 |

### UNSPSC

| UNSPSC 6.01 | 30211916 |
|---|---|
| UNSPSC 7.0901 | 39121515 |
| UNSPSC 11 | 39121515 |
| UNSPSC 12.01 | 39121515 |
| UNSPSC 13.2 | 39121515 |

## Drawings

Circuit diagram