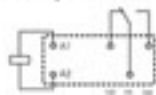




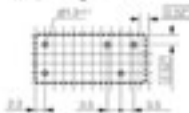
PCB layout / terminal assignment

View on solder pins,
dimensions in mm

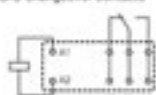
1 CO changeover contacts



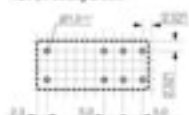
12 A, Pinning 3.5 mm



1 CO changeover contacts



16 A, Pinning 5 mm



General ordering data

| | |
|------------------|---|
| Order No. | 8693240000 |
| Part designation | RCL314012 |
| Version | Relay, 1 CO contact, 12 V DC , 16 A, Plug-in connection |
| EAN | 4032248364695 |
| Qty. | 20 pc(s). |

Input

| | |
|--|---------------|
| Rated control voltage | 12 V DC |
| Pull-in (sparkover) / drop-out voltage DC coil | 8.4 V / 1.2 V |
| Rated current DC | 33.3 mA |
| Power rating | 500 mW |
| Status indicator | No |

Output

| | |
|--------------------------------|-------------|
| Continuous current | 16 A |
| Max. switching power | 4000 VA |
| Max. switching voltage AC | 250 V |
| Sparkover time / Drop-out time | 7 ms / 3 ms |

Contact data

| | |
|-------------------------|-------------------------------------|
| Number of contacts | 1 |
| Contact base material | AgNi 90/10 |
| Mechanical service life | 30*10 ⁶ switching cycles |

Rated data

| | |
|-----------------------------------|--------------------|
| Connection system | Plug-in connection |
| DIN Rail compatibility | TS 35 |
| UL 94 flammability class | V-0 |
| Weight | 14 g |
| Ambient temperature (operational) | -40 °C...+70 °C |

Insulation coordination (EN 50 178)

Clearance and creepage distances for control side 10 mm
- load side

| | |
|---|-------|
| Insulation group | C |
| Overvoltage category | III |
| Pollution severity | 3 |
| Protection class | IP 20 |
| Rated voltage | 250 V |
| Secure separation acc. to VDE 0106 part 101 | Yes |

Dimensions

| | |
|--------|---------|
| Length | 29 mm |
| Height | 15.7 mm |
| Width | 12.7 mm |

Approvals

Approvals institutes

**Classifications**

| | |
|------------|-------------|
| ETIM 2.0 | EC001437 |
| ETIM 3.0 | EC001437 |
| eClass 4.1 | 40-02-06-14 |
| eClass 5.0 | 27-37-16-01 |
| eClass 5.1 | 27-37-16-01 |

Similar products

| Order No. | Part designation | Version |
|------------|----------------------|--|
| 4058740000 | RT315048 48Vdc-Rel1U | Relay, 1 CO contact, 48 V DC , 16 A, Plug-in connection |
| 8693400000 | RCL114006 | Relay, 1 CO contact, 6 V DC , 12 A, Plug-in connection |
| 8693190000 | RCL114012 | Relay, 1 CO contact, 12 V DC , 12 A, Plug-in connection |
| 8693180000 | RCL114024 | Relay, 1 CO contact, 24 V DC , 12 A, Plug-in connection |
| 8693480000 | RCL114048 | Relay, 1 CO contact, 48 V DC , 12 A, Plug-in connection |
| 8693430000 | RCL114512 | Relay, 1 CO contact, 12 V AC , 12 A, Plug-in connection |
| 8693220000 | RCL114524 | Relay, 1 CO contact, 24 V AC , 12 A, Plug-in connection |
| 8693510000 | RCL114548 | Relay, 1 CO contact, 48 V AC , 12 A, Plug-in connection |
| 8693390000 | RCL114615 | Relay, 1 CO contact, 115 V AC , 12 A, Plug-in connection |
| 8693230000 | RCL114730 | Relay, 1 CO contact, 230 V AC , 12 A, Plug-in connection |
| 8693170000 | RCL214012 | Relay, 1 CO contact, 12 V DC , 12 A, Plug-in connection |
| 8693200000 | SRC 2CO N | Relay, 1 CO contact, 24 V DC , 12 A, Plug-in connection |
| 8693520000 | RCL214048 | Relay, 1 CO contact, 48 V DC , 12 A, Plug-in connection |
| 8693310000 | RCL214524 | Relay, 1 CO contact, 24 V AC , 12 A, Plug-in connection |
| 8693570000 | RCL214615 | Relay, 1 CO contact, 115 V AC , 12 A, Plug-in connection |
| 8693300000 | RCL214730 | Relay, 1 CO contact, 230 V AC , 12 A, Plug-in connection |
| 8693800000 | RCL314006 | Relay, 1 CO contact, 6 V DC , 16 A, Plug-in connection |
| 8693260000 | RCL314024 | Relay, 1 CO contact, 24 V DC , 16 A, Plug-in connection |
| 8693380000 | RCL314048 | Relay, 1 CO contact, 48 V DC , 16 A, Plug-in connection |

| | | |
|------------|---------------------|--|
| 8821910000 | RCL314110 | Relay, 1 CO contact, 110 V DC , 16 A, Plug-in connection |
| 8693500000 | RCL314524 | Relay, 1 CO contact, 24 V AC , 16 A, Plug-in connection |
| 8693880000 | RCL314548 | Relay, 1 CO contact, 48 V AC , 16 A, Plug-in connection |
| 8693890000 | RCL314615 | Relay, 1 CO contact, 115 V AC , 16 A, Plug-in connection |
| 8693320000 | RCL314730 | Relay, 1 CO contact, 230 V AC , 16 A, Plug-in connection |
| 4058750000 | RCL424048 | Relay, 2 CO contact, 48 V DC , 8 A, Plug-in connection |
| 4058480000 | RT314024 24VDC 1CO | Relay, 1 CO contact, 24 V DC , 16 A, Plug-in connection |
| 4058500000 | RT314110 110VDC 1CO | Relay, 1 CO contact, 110 V DC , 16 A, Plug-in connection |
| 8630770000 | RT314110 110VDC 1CO | Relay, 1 CO contact, 110 V DC , 16 A, Plug-in connection |
| 8630780000 | RT314024 24VDC 1CO | Relay, 1 CO contact, 24 V DC , 16 A, Plug-in connection |