DIN Relay 13 mm interface series

CR11C

Signal relay with 2-pole change over double contacts
DIN Rail mounting according to DIN 43 880

Type: CR11C/DC24V R
Signal relay
2 change over double contacts
LED status indicator
Sealed relay built in

Maximum contact load 1 A, 125 V AC-1, 1 A 30 V DC-1
Minimum contact load 10 µA / 10 mV

Contacts
Type double contact micro disconnection
Material Ag gold plated
Max. operational current 1 A
Max. switching voltage AC-1 125 V
Max. AC load AC-1 0.5 A, 125 V, 62.5 VA
Max. DC load (Fig. 2) 30 W

Remark: For preserving the gold plating do not exceed 30 V / 0.1 A resistive load.

Control input \( V_n = \) DC 24 V
Operating voltage range 18 ... 30 V
Input current \( @ V_n \) 10.5 ... 12 mA
Release voltage 2.4 V
Nominal power consumption 280 mW
Inductive turn-off voltage damped, 45 Vp

Insulation
Test voltage open contact 0.75 kVrms 1 minute
Test voltage between adjacent poles 0.5 kVrms, 1 minute
Test voltage between contacts and coil 1 kVrms 1 minute

General Specifications
Ambient temperature storage/operation -40 ... +85 °C / -25 ... +60 °C
Response time ≤ 3 ms
Release time ≤ 4 ms
Operating frequency at nominal load ≤ 400 operations / h
Bounce time NO contact ≤ 1 ms
Service live, mech./elec. ≥ 10^6 / ≥ 10^5 operations (Fig. 1)
Ingress protection degree Housing: IP 40, terminals: IP 20
contacts: IP67
Housing material Lexan
Max. Screw torque 0.4 Nm
Weight 40 g

Standard types
DC 24 V CR11C/DC24V R

Accessories
Marking Strip:
Large BS-13G
Small BS-13K

Dimensions [mm]

Technical approvals, conformities
EN 60947-4-1, EN 60947-5-1

This issue replaces all previous issues. Availability, errors and specifications subject to change without notice.