

SPECIFICATIONS

Contact Arrangement : 2 Form C, 3 Form C

Contact Material : Silver Alloy

Optional Gold plating

Contact Rating

: 230 VAC/ 24 VDC Rated Voltage : 440 VAC/300 VDC Max. Voltage

Max Continuous Current at : 10 A

230VAC/24VDC

Max. Switching Current · 20A (Max 4S at

duty Cycle <10%)

Rated Breaking Capacity (AC): 2500 VA

Nominal Coil Power : 1.2 Watts/2.3 VA

Life Expectancy

: 10⁵ operations on Electrical

rated load

: 2x10⁷ operations Mechanical

Contact Resistance : 50m Ohms Max.

(Initial)

Dielectric Strenath

Between Open Contacts : 1500 VRMS Between Adjacent Poles : 2500 VRMS Between Contact and Coil : 2500 VRMS

Insulation Resistance : 1000M Ohms@

500VDC, 25⁰C, RH50

Operate time

: 12 milli sec. (Tvp) at Nominal Voltage

(Excl. Bounce)

Release time

: 5 milli sec. (Typ) at Nominal Voltage

(Excl. Bounce)

: 4 milli sec. Approx. Bounce time : -45⁰C to +60⁰C **Ambient Temperature**

: 80 gms Approx Weight : Socket Mounting. Type of Mounting

Typical applications

Industrial Controls, Instrumentation, PLC's, Automation

Note: In case of Relays with LED / diode, take terminal 2 as negative

All dimensions are in mm. Specifications subject to change without notice. Tolerance unless otherwise specified is \pm 10%

$\Phi/E/N$ 51 INDUSTRIAL CONTROL RELAY

- 2 / 3 Form C
- High-Quality Contact Material for 10 A Rated Current
- Optional Gold-plated Contacts for Safe Handling of Signal Loads
- Coils for DC or AC (50/60 Hz) Operation
- Mechanical Flag Indication
- LED Indication (optional)
- Lockable test button
- Manufactured in Association with Tyco, Austria

COIL DATA

Nominal Voltage	DC		AC	
	Pick-up Voltage VDC	Coil Resistance Ohms ± 10%	Pick-up Voltage VAC	Coil Resistance Ohms ± 10%
6	5.0	30	5.0	4
12	10.0	150	10.0	16
18	15.0	390	15.0	40
24	20.0	500	20.0	70
48	40.0	2250	40.0	300
115	90.0	10000	90.0	2000
230*	190.0	40000	190.0	10000

* 220V for DC & 230V for AC Coils

SOCKET ORDERING CODE

Din rail mounting type

2 Form C Relay 31 - 4200 - 100

51 - 3000 - 200 3 Form C Relay 31 - 4300 - 100

51 - 3000 - 300

HOW TO ORDER 51 XXXSpecialities Product Series A for AC Nominal Voltage D for DC (Refer Coil Data) No. of poles 2 or 3

WIRING LAYOUT



