O/E/N 35

MEDIUM POWER RELAY

- High Performance
- Direct PCB type
- Medium Duty
- Cost Effective
- CSA Certified Version - on Request

SPECIFICATIONS

Contact Arrangement	: 1 Form A, 1 Form C
Contact Material	: Silver Nickel Silver Tin Oxide Palladium Copper/ Silver Nickel
Contact Rating	: See Table below
Contact Voltage Drop at 10 A	: Initial 60 mV approx
	: 100 mV for PdCu
Nominal Coil Power	: 1.6 W (approx)
Operating Power	: 0.9 W (approx)
Life Expectancy	
Mechanical	: 10^7 operations
**Electrical	: 10^5 operations
Dielectric Strength	: 500 VRMS
Insulation Resistance	: 100 Meg.Ohms at 500 VDC,25^{0}C,RH50
Operate time at Nominal Voltage	: 10 milli sec.(Typ)
Release time at Nominal Voltage	: 5 milli sec.(Typ)
Ambient Temperature	: –40^0 C to +85^0 C
Weight	: 25 gms (approx)

CONTACT RATING at 25^{0}C

Code	Contact Type	Resistive 12VDC	Resistive 24VDC	Lamp 12VDC	Lamp 24VDC	Resistive 230VAC
3501* 3531	SPST-NO	12 A	6 A	-	-	4 A
	SPDT	8 A	4A	-	-	2.5A
3521**	SPST-NO	40A	20A	30A	15A	not suitable
3541	SPST-NO	12A	6A	20A	10A	-

* 3501 (Silver Nickel 80:20) is our standard. 3531/3551can be given on customer request.

** The moving contact (Palladium Copper) terminal must be connected to Positive potential. Higher electrical life upto 1 million operations is possible for indicator loads.

Typical applications

Turn Signal and Hazard Warning Flashers, Wiper Controls, Lamp Controls, Central Locking etc.

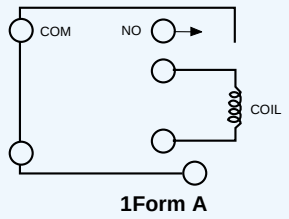
All dimensions are in mm. Specifications subject to change without notice.

COIL DATA

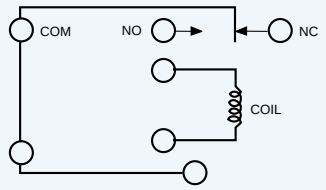
Nominal Voltage VDC	***Pick-up Voltage VDC (Max)	Drop-out Voltage VDC (Min)	Coil Resistance Ohms ± 10%
6	5	0.6	35
9	7	0.9	55
12	9	1.2	88
18	14	1.8	260
24	18	2.4	400
48	36	4.8	1700

***Lower pick-up voltages available on request

CIRCUIT DIAGRAMS



1Form A



1Form C

Recommendations

For Resistive & Motor Load
Silver Nickel & Silver Cadmium Oxide
For Indicators -
Silver Tin Oxide & Palladium Copper / Silver Nickel

HOW TO ORDER

35 — Product Series

0 — Contact Material
0-SIL.NI.80-20
2-PdCu(MVG) SIL NI 80-20(STN)
3-SILNI0.15
4-SILTIN OXIDE

1 - Contact Spring Material
1-Be Cu Contact Spring

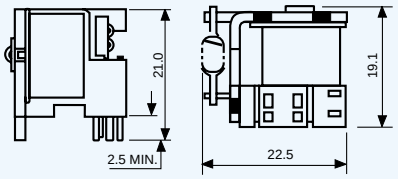
1C - Contact From
1A - 1 Form A
1C - 1 Form C

12 — Nominal Coil Voltage

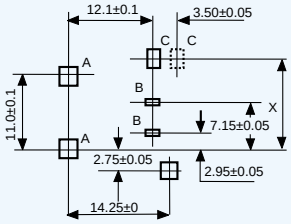
P — Plating
E-Copper Plated Body
P-Nickel Plated Body

XXX — Specialities if any

DIMENSIONS



DRILLING PATTERN



	DIM - X	SLOT - A	SLOT - B	SLOT-C
Std. Relay with 1.7 wide contact terminal (Std.)	13.25±0.05	+0.1 1.9 SQ	+0.1 1.9 X +0.1 1.2	+0.1 2.1 X +0.1 1.2
Std. Relay with 0.8 wide contact terminal (Std.)	13.70±0.05	+0.1 1.9 SQ	+0.1 1.9 X +0.1 1.2	+0.1 2.1 SQ

Note:
Slot 'C' given in dotted line is only to Std.1 form-C version. For holes in place of slots use Ø2.6 holes instead of slots "A" & Ø2.4 holes instead of slots "B & C"

O/E/N India Limited
Vyttila, Cochin-682 019. Kerala,India. Ph:0091 (0) 484-301132,303709
Fax:0091 (0) 484-302287, 302211.www.oenindia.com. E-mail : sales@oenindia.com