

O/E/N India Limited

✿ *We make electronics work*

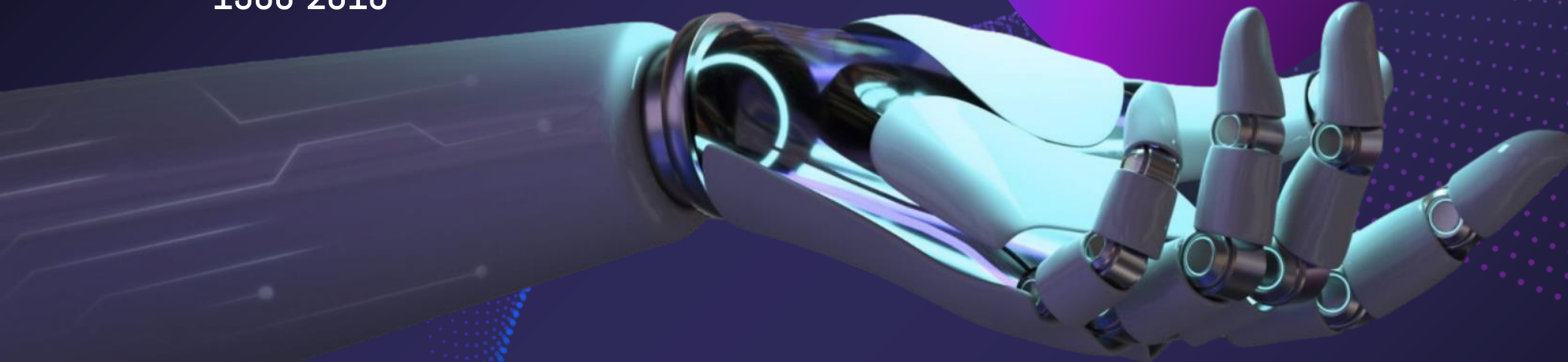
PRODUCT PRESENTATION - INDUSTRIAL RELAYS & SWITCHES





• 1968-2018 •

CELEBRATING
'FUTURE'



Market Leaders in India for Relays & Switches



Established in **1968**
with technical
collaboration of OAK
Industries



50+ years of
manufacturing
experience in relays,
switches & custom-
built assemblies



State of art
production facilities:
Two each in Kochi &
Pune



Manufacturing area of
31,000 sq. Meters.



O/E/N brand known for
quality, reliability &
innovation



Strong presence in
automotive, industrial
& other strategic
market segments



ISO 9001, IATF 16949,
ISO 45001, OHSAS
18001, AS9100D
certifications

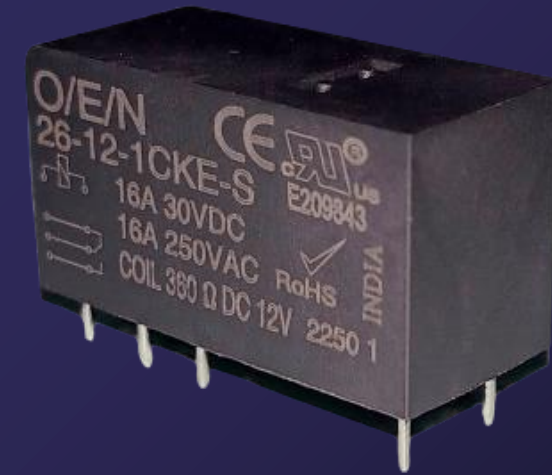


INDUSTRIAL RELAYS

(Miniature Power Relays – PCB Mountable)

Series 26 Relay

- Low Height
- Direct PCB type
- Sealed
- High Dielectric Strength 5KV
- UL Approved



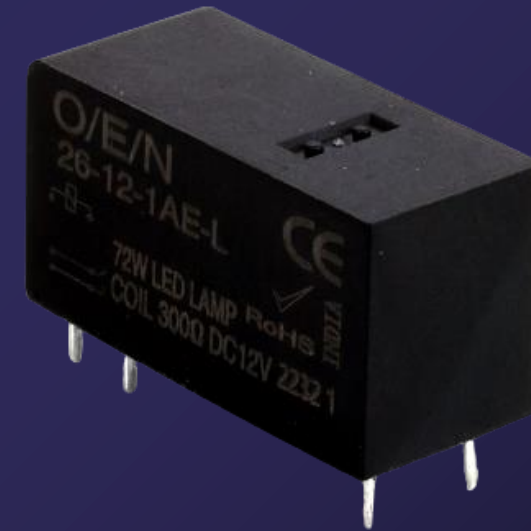
Applications:

Industrial Electronics, Home/Office Automation, UPS, Home Appliances, Elevator/Escalator Controls etc.

Rated for 16A (1 Form AK/1Form CK), 12A(1 Form A/1Form C), 8A(2 Form C) @28VDC/250 VAC

Series 26-L Relay

- Low Height
- Direct PCB type
- Sealed
- Dual Contact Design enables High Inrush Capacity



Applications:

Street Lamp Control, LED Drivers etc.

Rated for 80A Inrush Capacity & 8A Steady State @230 VAC (1 Form A/ 1 Form B)

Series 45-IN Relay

- Compact Size
- Direct PCB type
- Sealed
- Dielectric Strength 1200 VRMS



Applications:

Home/ Office Automation, IOT Applications, Power Conditioning Equipment, Measuring & Control Instruments etc.

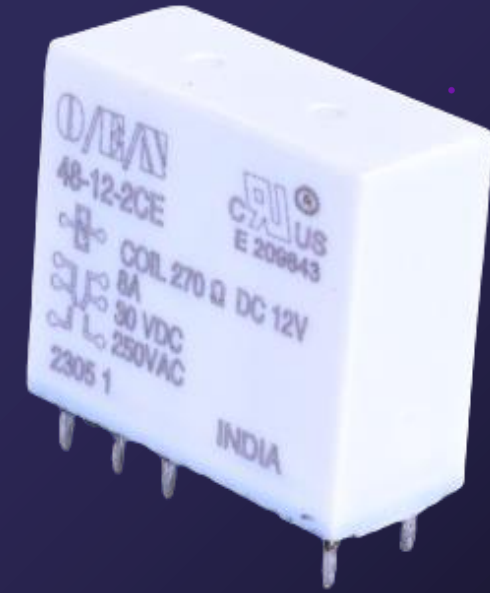
Rated for 5A (1 Form A), 5A (1 Form C) @ 24 VDC/230 VAC

Series 48 Relay

- International Standard Footprint
- Compact Size
- Direct PCB type
- Optional Din Rail Mounted Sockets
- Sealed
- Creepage Distance ≥ 8 mm
- UL Approved

Applications:

Industrial Electronics, PLCs, Timers, UPS, Home Appliances etc.



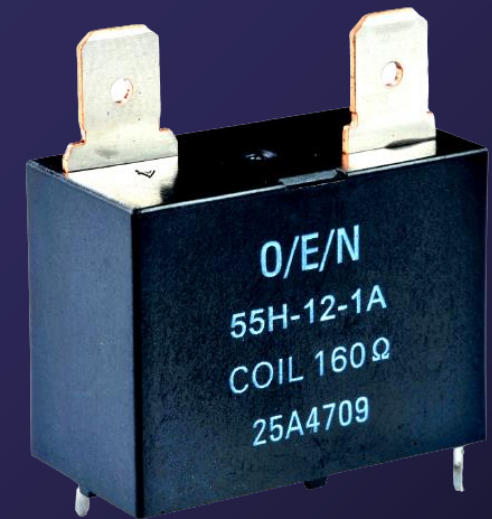
Rated for 10A (2 Form A), 8A (2 Form C) @ 28 VDC/250 VAC

Series 55H Relay

- International Standard Footprint
- Compact Size
- Direct PCB type & with Spaded Terminal Output
- Sealed

Applications:

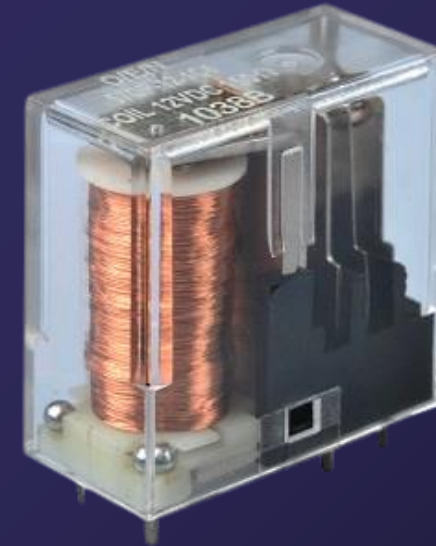
Home Appliances, Aircons, Industrial Electronics, PLCs, Timers, UPS etc.



Rated for 25A @ 230/ 28VDC

Series 57 Relay

- Compact Size
- Direct PCB type
- Dust Protection
- Transparent Cover



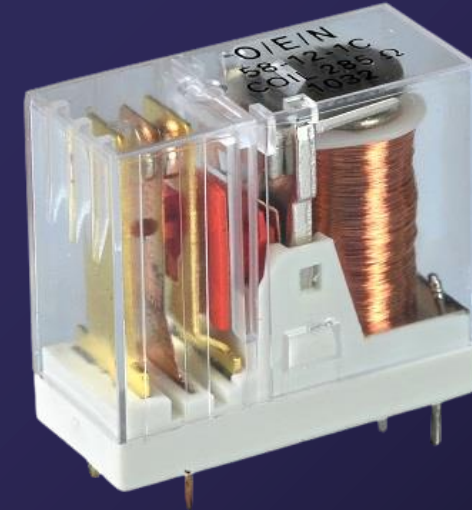
Applications:

Industrial Electronics, PLCs, Timers, Office Automation, UPS, Invertors, Home Appliances etc.

Rated for 6A (1 Form C), 2A (2 Form C)@24 VDC/230 VAC

Series 58 Relay

- International Standard Footprint
- Compact Size
- Direct PCB Type
- High Capacity Contact Rating 16A
- Dust Protected
- UL Approved



Applications:

Industrial Electronics, PLCs, Timers, Office Automation, UPS, Home Appliances etc.

Rated for 16A (1 Form AK/CK), 10A (1 Form C),
5A (2 Form C) @ 24 VDC/230 VAC

Series 62 Relay

- International Standard Footprint
- Continuous Current Rating of 30A
- High Dielectric Strength 4000 VRMS
- Dust Protected/Sealed
- UL Approved



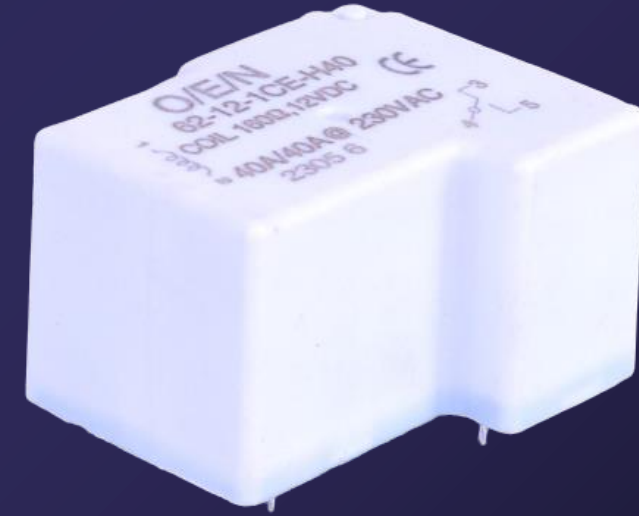
Applications:

HVAC Systems , Security Systems, Home Appliances,
Power Conditioning Equipment etc.

Rated for 30A (1Form A), 20/10A (1 Form C) @ 28 VDC/230 VAC

Series 62-H40 Relay

- International Standard Footprint
- Contact Rated for 40A
- High Inrush Current - 120A
- Dust Protected/Sealed
- High Capacity



Applications:

HVAC Systems, Security Systems, Home Appliances,
Power Conditioning Equipment etc.

Rated for 40A (1Form A), 40/40A (1 Form C, Heavy duty) @ 230 VAC

Series 63 Relay

- Contact Rated for 30A Switching
- Spaded Terminals for Power Output
- High Ambient Temperature +100 deg C
- Sealed
- UL Approved



Applications:

HVAC Systems, Home Appliances, Motor Control,
Power Conditioning Equipment etc.

Rated for 30A (1 Form A), 30/20A (1 Form C) @24 VDC/230 VAC

Series 63-HD Relay

- Contact Rated for 40A Switching
- High Performance
- Spaded Terminals for Power Output
- High Inrush Capacity – 111A
- Sealed

Applications:

HVAC Systems, Home Appliances, Motor control,
Power Conditioning Equipment etc.



Rated for 40A (1 Form A) & 40A/40A (1 Form C) @ 230 VAC

Series 65 Sugar Cube Relay

- International Standard Footprint
- Contact Rated for 15A
- Low Profile
- Sealed
- UL Approved

Applications:

UPS, Home Appliances, Office Automation, Security Systems, PLC, Timers etc.



Rated for 15A (1 Form A), 10A (1 Form C), @ 24 VDC/230 VAC

Series 67 Relay

- Multiple Change Over Options :2 to 6 Form C Contacts
- Termination –Direct PCB & Wire Solder
- Power Adjusted and Sensitive Adjusted Versions
- Option of Plastic & Metal Covers
- Epoxy Sealed version with Nitrogen Back filling
- AC & DC Coil Versions



Applications:

Defence, Space, Railway, Nuclear Power, Timers & Controls etc.

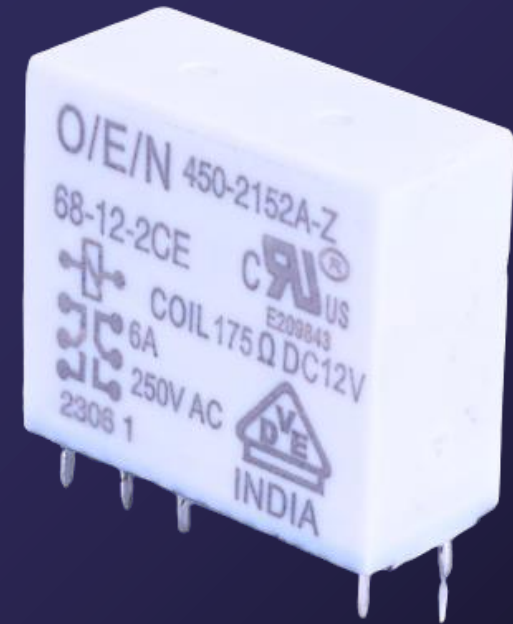
Rated for 3A to 7A (2 to 8 Form C) @ 24 VDC/230 VAC

Series 68 Relay

- International Standard Footprint
- Compact High Performance
- Direct PCB type
- Sealed
- Higher Contact Gap (1.5mm) enables High Voltage Switching
- UL Approved

Applications:

Industrial Electronics, PLCs, Timers, Office Automation, UPS, Home Appliances etc.



Rated for 8A (2 Form A), 6A (2 Form C) @ 28 VDC/250 VAC

Series 170 Latching Relay

- Rated for 90A
- Single & Double Coil Latching Versions
- UC2 Compliant as per IEC 60255-31/ISI 15884: 2010
- Customized Contact Terminal Option available



Applications:

Smart Meters, Energy Meters, Prepaid Meters, LED Street Lamp Control etc.

Rated for 90A (1 Form A/1 Form B) @ 250 VAC

INDUSTRIAL RELAYS

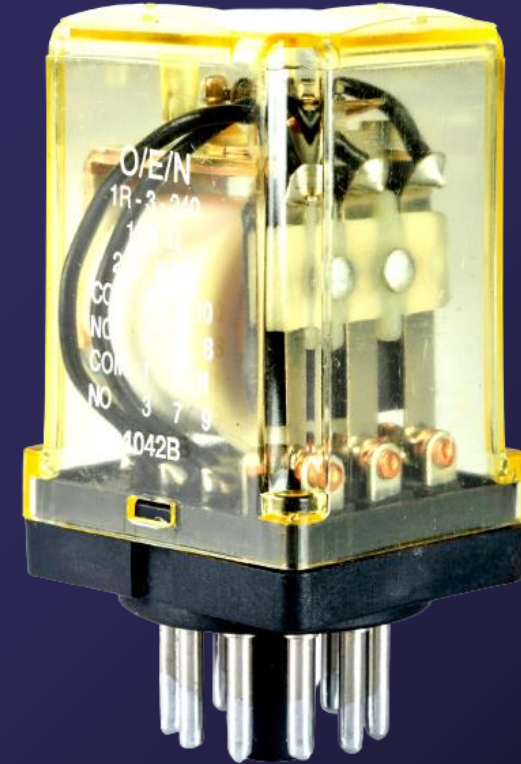
(DIN Rail & Panel Mountable Relays)

Series 31-1R/2R Relay

- Compact High Performance
- 2 Form C and 3 Form C Contacts
- Free wheeling Diode Optional
- LED Indication Optional
- AC & DC Coil Versions
- Accessory-DIN Rail Mounting Socket

Applications:

CMRs, Industrial Control, Instrumentation, Lift Controls, Automation, Battery Chargers, Power Conditioning Equipment etc.



Rated for 10A @ 24 VDC/230 VAC

Series 31-3R/4R Relay

- Compact High Performance
- Direct Panel Mounting Facility
- 2 Form C & 3 Form C Contacts
- Optional Free Wheeling Diode
- LED Indication Optional
- AC & DC Coil Versions
- Accessory-DIN Rail Mounting Socket

Applications:

CMRs, Industrial Control, Instrumentation, Automation, Battery Chargers, Power Conditioning Equipment etc.

Rated for 10A @ 24 VDC/230 VAC



Series 31H Relay

- Heavy Duty - Make, Carry & Break capacity of 10A@220 VDC & 16A@ 60 VDC
- 2 Form C and 1 Form Z Contacts
- Optional LED Indication & Free Wheeling Diode
- Dust Protected
- IEC 60255-27 Compliance
- AC & DC Coil Versions
- Magnetic Arc Suppression enables High Voltage Switching
- Accessory-DIN Rail Mounting Socket

Applications:

Command Output Relay, Substation Automation, Anti Pumping Contactor, Battery Chargers etc.



Rated for 5A (2 Form C) @ 220 VDC ,10A (1Form Z) @220VDC,
16A (2 Form C) @ 60 VDC

Series 33 Relay

- Contact Rating 30A
- 2 Form & 3 Form C contacts
- Dust Protected
- AC & DC Coil Versions
- Direct Panel mountable
- Accessory-DIN Rail Mounting Socket

Applications:

High KVA Stabilizers, UPS, Photocopiers, Inverters etc.



Rated for 30A @ 230 VAC/ 24 VDC

Series 33H Relay

- Heavy Duty - Make, Carry & Break Capacity of 20A@220 VDC
- 2 Form C and 1 Form Z Contacts
- LED & Free Wheeling Diode (Optional)
- IEC 60255-27 Compliance
- AC & DC Coil Versions
- Magnetic Arc Suppression enables High Voltage Switching
- Accessory-DIN Rail Mounting Socket
- Test Button for Manual Actuation

Applications:

Command Output Relay, Substation Automation, Anti Pumping Contactor, Battery Chargers etc.

Rated for 10A (2 Form C) & 20A (1 Form Z) @ 220 VDC



Series 51 Relay

- 2 Form C and 3 Form C Contacts
- Free Wheeling Diode Optional
- LED Indication Optional
- Lockable Test Button
- UL Approved
- IEC 60255-27 Compliant
- AC & DC Coil Versions
- Accessory-DIN Rail Mounting Socket

Applications:

CMRs, Industrial Control, Lift Controls, Automation, PLCs etc.

Rated for 10A @ 24 VDC/230 VAC



Series 85 Relay

- Lockable Test Button (Optional)
- Mechanical Indication
- LED /Free Wheeling Diode/ Polarity Protection Diode (Optional)
- IEC 60255-27 Compliance
- UL Approved
- Mounting Options –Din Rail & Flange
- AC & DC Coil Versions
- Accessory- Space Saving 16mm Width DIN Rail Socket

Applications:

Contact Multiplying Relays, Control Panels for Machine Tools, Home/Building Automation etc.

Rated for 10A (1 Form C), 16A (1 Form CK), 8A (2 Form CK) @ 30VDC/230 VAC



Series 85H Relay

- Heavy Duty - Make, Break & Carry capacity upto 5A@220 VDC
- 2 Form A/ 2 Form C Contacts
- LED & Freewheeling Diode (Optional as Pluggable Modules in Sockets)
- Dust Protected
- IEC 60255-27 Compliance
- Magnetic Arc Suppression enables High Voltage Switching
- Accessory- DIN Rail Mounting Socket

Applications:

Command Output Relay, Substation Automation, Anti Pumping Contactor, Battery Chargers etc.



Rated for 5A at 220VDC for 2 Form C , Form 1A 1B & 1.25A at 220VDC for 2 Form C

Series 87 Relay

- 4 Form C, 3 Form C & 2 Form C Contacts
- Respective Current Ratings at 6A, 10A & 12A at 250VAC/30VDC
- Lockable Test Button
- Mechanical Flag Indication
- LED /Free Wheeling Diode (Optional)
- IEC 60255-27 Compliance
- UL Approved
- AC & DC Coil Versions

Applications:

Contact Multiplying Relays, Substation Automation, Control Panels for Machine Tools, Home/ Building Automation etc.



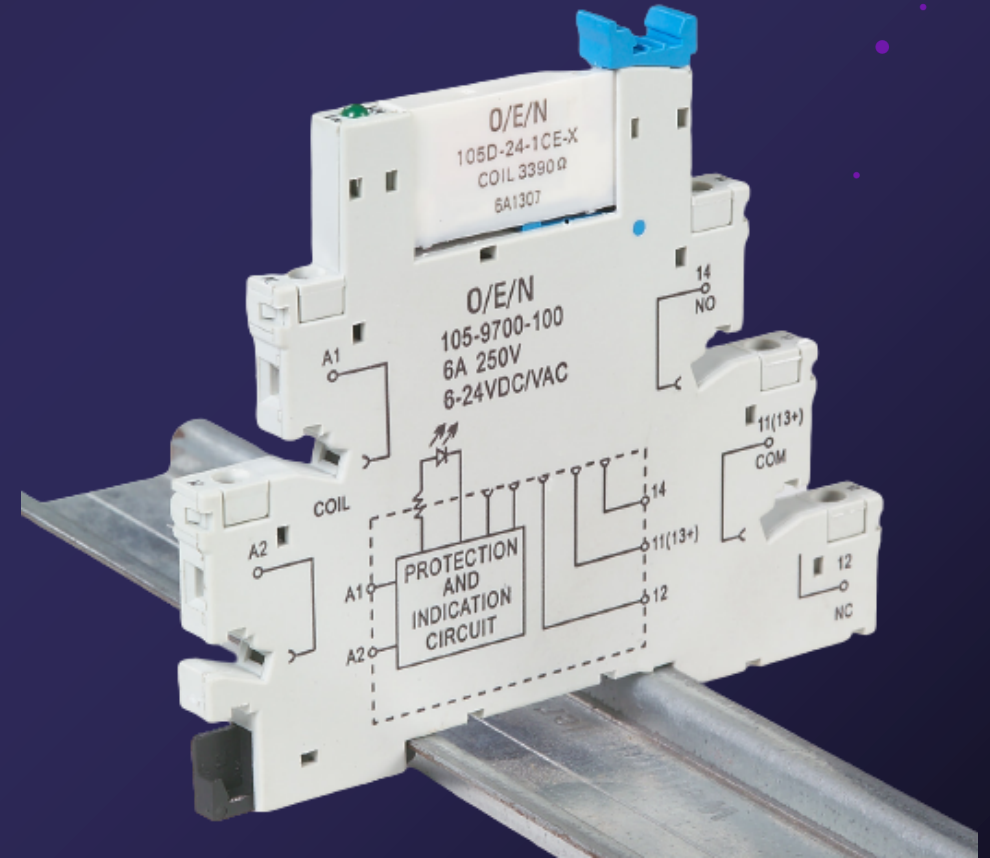
Rated for 6A (4 Form C), 12A (2 Form C), 10A (3 Form C) @ 250 VAC/28 VDC

Series 105 Relay

- Ultra Slim Relays – 6mm Width
- 1 Form C Configuration
- Current Rating 6A at 230VAC/24VDC
- 4KV Dielectric b/w Coil & Contacts

Applications:

Process Controls, Control Panels for Machine Tools,
Home/ Building Automation Panels etc.



Rated for 6A @ 230 VAC / 24VDC

Series 160 EV Contactor

- Contact Rating of 250A at 450VDC
- Gasless Technology for Arc Quenching
- Limiting Continuous Current 250A @ 85 deg C
- Maximum Short Circuit Current of 6000A
- With Economiser

Applications:

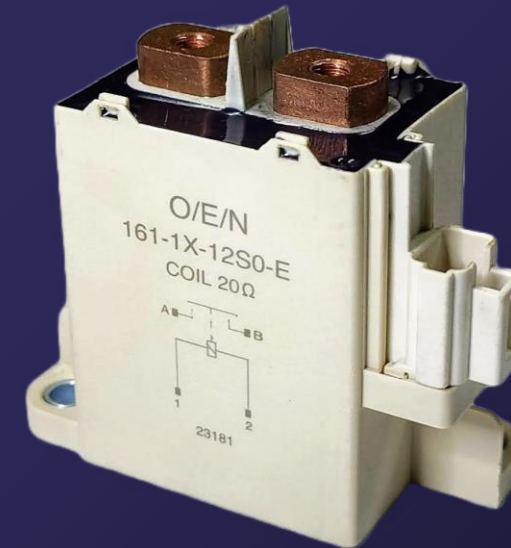
Fast Charging Stations, EV Chargers, Main Contactor etc.



Rated for 250A@450VDC. Available in 1 Form X configuration

Series 161 EV Contactor

- Contact Rating of 150A at 150VDC
- Gasless Technology for Arc Quenching
- Economiser Version Available
- IP.67 Protection
- Limiting Continuous Current 200A
- Maximum Short Circuit Current of 3500A



Applications:

Fast Charging Stations, EV Chargers, Main Contactor etc.

Rated for 150A@150VDC. Available in 1 Form X configuration

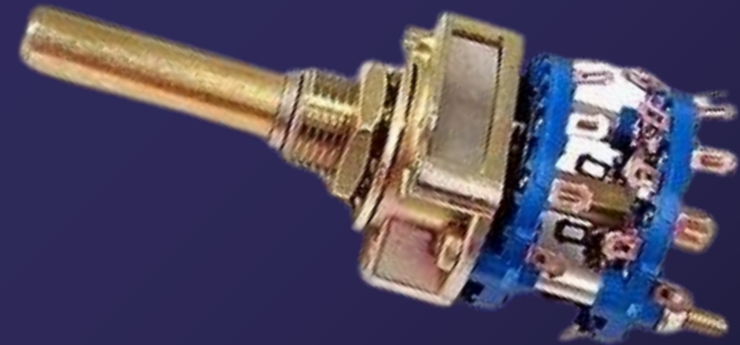
ROTARY SWITCHES

Series 11 (AM) Switch

- Available in Commercial and Military Versions
- Variety of Switching Combinations
- Optional Water Sealing
- Resistor and Capacitor Decade options
- Optional BCD Outputs
- Angle of Throw – 30°

Applications:

Military Communications, CNC Machines, Test & Measuring Instruments etc.



0.5A@28 VDC/0.25A@110 VAC (BSP Contacts)
1A@28 VDC/0.5A@110 VAC (Silver Alloy Contacts)

Series 12 (J/JC) Switch

- Available in Commercial and Military Versions
- Ceramic or Phenolic Wafer
- Variety of Switching Combinations
- Optional Water Sealing
- Resistor and Capacitor Decade options
- Optional BCD Outputs
- Angle of Throw – 30°

Applications:

Military Communications, CNC Machines, Test & Measuring Instruments etc.

1A@28 VDC/0.5A@110 VAC (BSP Contacts)
2A@28 VDC/1A@110 VAC (Silver Alloy Contacts)



Series 13 (OM) Switch

- Available in Commercial and Military Versions
- Variety of Switching Combinations
- Optional Water Sealing
- BCD and Hexa Decimal Coded Outputs
- Angle of Throw – 10°, 15°, 20°, 30°



Applications:

Military Communications, CNC Machines, Test & Measuring Instruments etc.

0.5A@28 VDC/0.25A@ 110 VAC (BSP Contacts)
1A@28 VDC/0.5A@110 VAC (Silver Alloy Contacts)

Series 16 Switch

- Variety of Switching Combinations
- Cost effective Single Wafer Switch
- Angle of Throw - 30°
- Contact Rating: 150 mA at 250 VAC
- No: of Positions: Up to 12 positions

Applications:

Military Communications, CNC Machines, Test & Measuring Instruments etc.

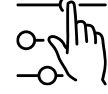


Contact Rating: 150 mA at 250 V AC/DC

Why O/E/N



Over five decades of specialized expertise in development and manufacture of electromechanical components & strategic electronic products – A legacy brand



Innovative product design and development team to convert ideas and concepts to customized switching solutions



Multi-locational state-of-the-art manufacturing facilities with fully automated & semi-automated lines



Relentless focus on product quality and reliability



Customer centric approach that has been rewarded with an ever-expanding base of loyal customers in India and abroad



Backed by over five decades of proven manufacturing and technological excellence, we are continuously striving to match and exceed the expectations of our customers and business associates.

Connect with Us!!

 www.oenindia.com

 marketing@oenindia.com

