

O/E/N India Limited

** We make electronics work*

Product Presentation

Industrial Relays & Switches



CELEBRATING 'FUTURE'



● RELAYS ● SWITCHES ● CUSTOM-BUILT ASSEMBLIES ● ELECTRONIC MODULES



ROTARY SWITCHES

Series 11 (AM)



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



Applications:

Military Communications, CNC Machines, Test & Measuring Instruments

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

Series 12 (J/JC)



- 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

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

Series 13 (OM)



- 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

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



INDUSTRIAL RELAYS

(Miniature Power Relays – PCB Mountable)



- Low Height
- Direct PCB type
- Sealed
- High Dielectric Strength 5000 Vrms
- UL Approved



Applications:

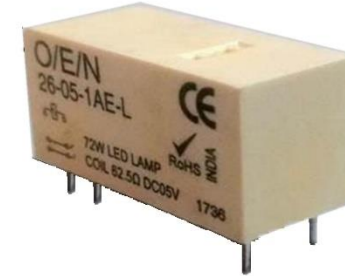
Industrial Electronics, Home/Office Automation, UPS, Home Appliances, Elevator/Escalator Controls etc.

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

Series 26 –L



- 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)

Series 45-IN



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



Applications:

Home/Office Automation, IOT Applications, Power Conditioning Equipments, Measuring & Control Instruments

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

Series 48



- International Standard Foot Print
- 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

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

Series 57



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



Applications:

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

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



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



Applications:

Industrial Electronics, PLC, 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



- International Standard Foot Print
- Continuous Current Rating of 30A
- High Dielectric Strength 4000 Vrms
- Dust Protected/Sealed
- UL Approved



Applications:

HVAC Systems, Security Systems,

Home Appliances, Power Conditioning Equipments

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

Series 62-H40



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



Applications:

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

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

Series 63



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



Applications:

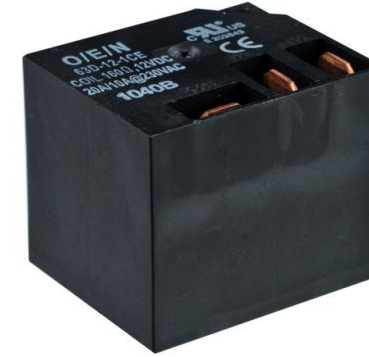
HVAC Systems, Home Appliances,
Motor Control, Power Conditioning Equipments

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

Series 63 –HD



- 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 Equipments

Rated for 40A (1 Form A) @ 230 VAC

Series 65



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



Applications:

UPS, Home Appliances, Office Automation,
Security Systems, PLCs, Timers

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



- Multiple Change Over options :2 to 8 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

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

Series 68



- International Standard Foot Print
- 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

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, LED Street Lamp Control etc.

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



INDUSTRIAL RELAYS

(General Purpose Relays)

Series 31-1R/2R



- 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 Equipments

Rated for 10A @ 24 VDC/230 VAC

Series 31-3R/4R



- 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 Equipments

Rated for 10A @ 24 VDC/230 VAC

Series 31H



- 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:

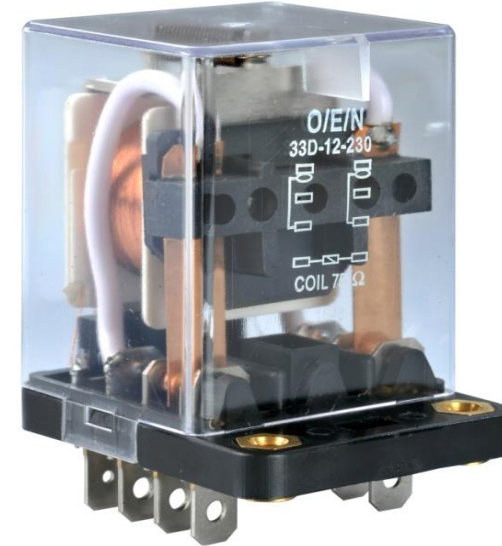
Command Output Relay, Substation Automation, Anti Pumping Contactor, Battery Chargers

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

Series 33



- 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

Rated for 30A @ 230 VAC/ 24 VDC

Series 33H



- Heavy Duty - Make, Carry & Break Capacity of 20A@220 VDC
- 2 Form C and 1 Form Z Contacts
- Dust Protected
- 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

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

Series 51



- 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:

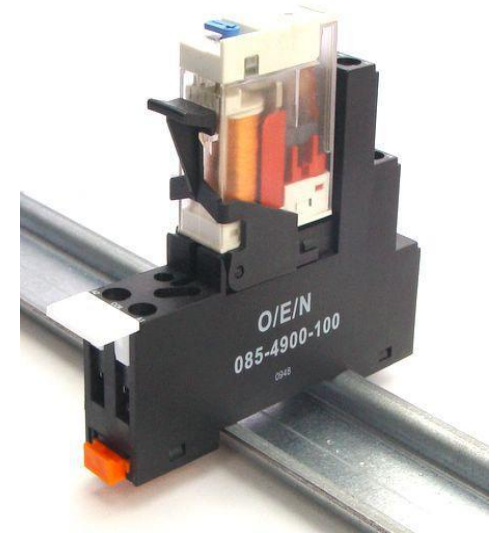
CMRs, Industrial Control, Lift Controls, Automation, PLCs

Rated for 10A @ 24 VDC/230 VAC

Series 85



- 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

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

Series 85H



- Heavy Duty - Make, Break & Carry capacity of 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



Rated for 5A (2 Form A) & 1.25A (2 Form C) @ 220VDC

Series 87



- 4 Form C Contacts
- 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, Control Panels for Machine Tools,
Home/ Building Automation

Rated for 6A (4 Form C) @ 250 VAC/28 VDC



Thank you



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