

**O/E/N India Limited**

*\* We make electronics work*

**Product Presentation  
EV & EV Infra**



# CELEBRATING 'FUTURE'



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



- **Relays for Electric Vehicles**

# Series 53H Relay



- High Performance
- High Voltage Switching – 145VDC
- 9.5mm Power Terminals
- Max Switching Current 150A

Applications:

Hybrid & Electric Vehicle,

Pre-Charge Relay, Charger Interlock Relay



**Rated for 40A@60VDC, 5A@145 VDC. Available in  
1 Form A configuration**

# Series 74H Relay



- High Performance Mini ISO Relay
- 6.3mm Terminals
- Max Switching Current 120A

Applications:

Hybrid & Electric Vehicle,  
Battery Chargers



**Rated for 25A@36VDC, 20A@48VDC, 15A@72 VDC,  
7A@110VDC. Available in 1 Form A & 1 Form C**

# Series 82 Relay



- Ultra Small High Voltage Relay
- PCB Mountable
- Low Coil Power 0.6W
- IP 67 Protection
- Max Switching Voltage 450VDC
- Magnetic blowout feature eliminates the risk of arc induced contact damage



Applications:

Capacitor Pre-Charge Relay for Electric Vehicle

**Rated for 10A@450VDC. Available in 2 Form A configuration**

# Series 84EV Relay



- Max Switching Voltage 250VDC
- IP67 Protection
- Screw Type Terminations for Contacts
- Shrouded Coil Terminals ensures total isolation from Contact Terminals

Applications:

EV Vehicles–Battery Charger, Braking System  
(Electromagnetic Retarder)



**Rated for 150A@72VDC & 25A@250VDC. Available in  
1 Form A configuration**



- **Relays for EV Charging Infrastructure**





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



Applications:

**EVSEs, On-board chargers, Off-board DC chargers for 2W&3Ws, charger interlock**

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

# Series 62-H40



- International Standard Foot print
- Contact Rated for 40A
- High Inrush Current - 120A
- Dust Protected/Sealed
- High Capacity
- Meets 230A for 100micro sec



Applications:

**EVSEs, On-board chargers, Off-board DC chargers for 2W&3Ws**

**Rated for 40A (1Form A), 40/40A (1 Form C, Heavy duty) @ 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:

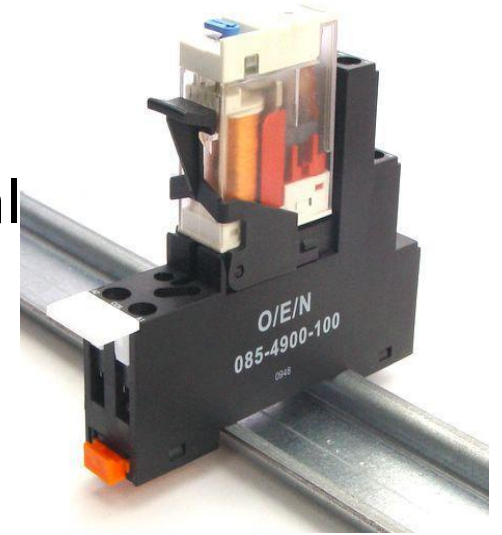
**Trickle charge relays/output relays for Battery swapping stations**

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

# 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:

**Input relays for Battery swapping stations**

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



**Thank you**



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