

The Smart Power Relay E-1048-8I - is a remotely controllable electronic load disconnecting relay with three functions in a single unit:

- Electronic relay
- Electronic overcurrent protection
- Status indication

The 7 pin INLINE version is designed for use with various E-T-A terminal blocks, e. g. 17-P10-Si. A choice of current ratings is available from 1 A through 20 A. An operating voltage range of DC 9...32 V allows the connection of DC 12 V and DC 24 V loads. In order to switch and protect loads remotely, it has until now been necessary to connect several discreet components together:

- An electro-mechanic relay, control cable and integral contact to close the load circuit
- An additional protective element (circuit breaker or fuse) for cable or equipment protection
- A device for current measurement (shunt)

Now type E-1048-8I combines all these functions in a single unit, thus minimising the number of connections in the circuit and thereby reducing the risk of failures.

Applications

Type E-1048-8I is suited to all applications with DC 12 V or DC 24 V circuits, where magnetic valves, motors or lamp loads have to be switched, protected or monitored:

- Road vehicles (utility vehicles, buses, special vehicles)
- Rail vehicles
- Marine industry (ships, boats, yachts etc.)

The Power Relay is also suitable for industrial use (process control, machine-building, engineering) as an electronic coupling relay between PLC and DC 12 V or DC 24 V load