

Power Relays MPR10/HPR10 for vehicles Switching High Currents



Technical information

Power Relays MPR10/HPR10

The single pole power relays **MPR10** and **HPR10** have been designed for switching high current loads and for disconnecting the battery from the on-board electrical system. Both are available in different versions of mounting and both feature protection class IP67 so that they are protected against ingress of water or dust. Thus the devices are perfectly suitable for use in harsh conditions in commercial vehicles.

The MPR10 is a bistable relay, i.e. a short current impulse is required only for the switching operation. Permanent magnets then keep the contact in the respective position.

The HPR10 is the hybrid version, a relay in combination with its own electronic control unit. This electronic circuitry provides intelligent activation of the bistable electrical mechanism, e.g. as

level control or timer control. Both types are available for the usual voltage ratings DC 12 V and DC 24 V.

On our website you will find a programme for configuring the **HPR10**. It allows selection of various functions and sets up the corresponding ordering code.

<http://relaisconfigurator.e-t-a.com/light/de/>

Technical Data

Relay	MPR10	HPR10
	type bistable	hybrid including electronic control unit
Voltage rating	DC 12/24 V	DC 12/24 V
Current ratings	100/200/300 A	100/200/300 A
Ampacity	2 x I _N 20s 4 x I _N 15s 8 x I _N 1s	2 x I _N 20s 4 x I _N 15s 8 x I _N 1s
Typical life (mech.)	> 100,000	> 100,000
Temperature range	-40 °C...+85 °C	-40 °C...+85 °C

Benefits

- water-proof and dust-proof
- side mount and foot mount
- low weight
- long life span
- high current ratings
- low current consumption and power loss
- free-wheeling diode optional
- barrier between main terminals



The new single pole power relays made by E-T-A have been designed to switch high loads: the bistable relay **MPR10** and the hybrid version **HPR10**.



More information?
Just scan the
QR code!

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