



Specifications

WP-Modular Battery Protect Relay 12 V / 500 A

03-06-2022

ARTICLE NUMBER

50214737

WP-Modular Battery Protect Relay 12 V / 500 A

DIMENSIONS & WEIGHT

Weight (Kg)

0.8

Dimensions (mm)

150 x 50 x 94

GENERAL

Remote control

By control wires (length 40 cm, max. 15 m)

Local control

On/Standby, Open and Close contact, Override mode

Automatic disconnect and reconnect

Yes (10 individually programmable disconnect and reconnect voltage levels)

Indicators

Contact open/close, Undervoltage disconnect, Override mode, Error and Setup

Protected against

High temperature, High/Low supply voltage, Ignition (ISO 8846)

Mechanical life

100000 cycles

Electrical life

10000 cycles (@ 400 A / 24 V / resistive)

Operating temperature range

-20 .. +60°C

Connection studs / DCM grid size

M10 / 1 x 3

Protection class

IP 65

Standards

EMC: 2014/30/EU, Low voltage directive: 2014/35/EU, RoHS: 2011/65/EU, Automotive: EN 50498, ISO 8846

CONTACT CIRCUIT (ELECTRICAL)

Maximum voltage

60 Vdc

Nominal current @ 25°C	500 A (see Precaution #2)
Cranking current (1 minute)	1000 A
Nominal make / break current	500 A (0 .. 34 Vdc) 350 A (35 .. 60 Vdc)
Peak make / break current	1600 A (0 .. 34 Vdc) 1200 A (35 .. 60 Vdc)

CONTROL CIRCUIT (ELECTRICAL)

Coil / supply voltage (+Vdc)	7 .. 17 Vdc
Coil / supply current (idle state)	< 100 ?A
Coil / supply current (state change)	< 4 A
Control wire supply current	< 3 mA (when active)