

**Relays
Automotive**
FBR53-HC



FBR53-HC
Mini 50A relay Switch automotive loads

Fujitsu's FBR53-HC is a 12VDC PCB relay that easily handles medium-to-heavy loads in the harsh automotive environment with its 50A /14VDC switching capacity and -40°C to +125°C high-temp range. Moreover, this electromechanical Mini ISO relay replacement, boasts a compact, 12.1x15.5x13.7mm footprint for high-density packaging and weighs just 6g. The FBR53-HC has reflow capability, and 80A inrush current

Features:

- 1 pole 50A, 1U contact
- Compact for high density packaging
- High temperature grade (-40C to 125C)
- Low coil power approx. 0.6W
- This relay is able to replace the Mini ISO relay
- Reflow capable (through hole reflow) type available
- Plastic sealed



Typical Applications:

Electric power steering, Blower fan motor control, Seat heaters, Fuel pumps, Head lamps, Motor braking circuits.

Item

Contact configuration

Contact rating

Max. carrying current

Coil rated power consumption

Operating temperature range

Pick up time

Release time

Mechanical life

Electrical life

Cover type

Dimensions

FBR53-HC

1 form U

50A, 14VDC (Resistive load)

67.5A, 14VDC 30min @20°C

600mW

-40~ +125°C

Max. 10ms

Max. 5ms

Min. 1,000k operations

14VDC, 50A min.100k ops.

Plastic sealed

12.1 x 15.5 x 13.7 mm

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Contact

Relays@fceu.fujitsu.com
Web: www.fujitsu.com/components