

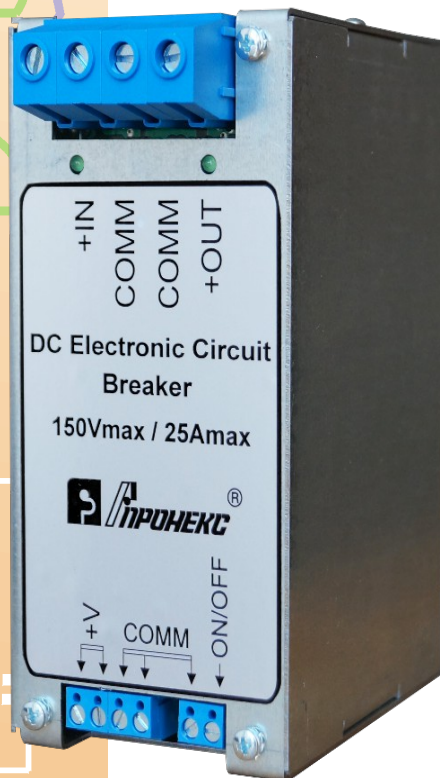


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DCCB 1442 Electronic protection for DC power supply lines

Engineering solution for DC power supply lines



The electronic key-protection is designed for mounting in panels with communication equipment, which is DC power supplied.

The device is intended to protect the power supply source from short circuits in power supply cables, caused by smashing or cutting by heavy machines.

The protection cuts of the circuit after it, if the current's value increases above the maximum. This way all communication panels before the activated protection are power supplied and operating.

If each panel is power supplied by two independent sources and all panels are RING connected, the DCCB 1442 Electronic protection enables reservation of the whole communication system so that the power supply is not cut off. Smashing, cutting or short circuit of one power supply cable does not disconnect the power supply of the communication system.

Technical parameters

Nominal commutated current	25A DC
Commutated power supply	60 to 150 V DC
Power loss at 25A	< 100 W
Voltage for activation of protection	> 60 V DC
Power load	capacitive active
Time for switching on after power supplying	< 500 mS
Time for switching off after short circuit at the output	< 100 uS
Time for switching on after recovery of the short circuit at the output	< 500 mS
Cooling	by air
IP degree of protection	IP20
Overall dimensions XYZ	70 x 150 x 130 mm

