

DC/DC Converter Module VIN = 48 V VOUT = 5 V / 6 A – 12 V / 2 A

The DC/DC Converter Module with a central power supply of 48 / 60 V generates the internal operating voltage of 5 V / 6 A and 12 V / 2 A. It is designed especially for use in small to medium-sized DS-6 systems as well as for general use.

For use with monitoring contacts or for voltage monitoring, the backplane with article no. 22 1 5002 183 4 is available. This backplane is supplied with monitoring relays, fuse, connection clamps and wrap pins, and facilitates the installation of the converter module.

If two converter modules are used, a redundant operation is possible. In that case, one backplane per converter module is required. The operating state of the converter module is displayed by two LEDs on the front plate and on the conductor board of the backplane.

Two potential-free switch contacts per voltage monitoring unit are supplied for failure notifications.



DC/DC-Converter Module,
Art.-No. 2 183 4



Backplane
Art.-No. 22 1 5002 183 4

Equipment features

- 15 pole multiway connector according to DIN 41612 Type H15
- 2 LEDs for the voltage display of 5 and 12 V

Art.-No.	2 183 4
Physical data	
Dimensions	10 MU and 3 HU
Weight	approx. 750 g
Technical data	
Input voltage	40 V ... <u>48 V</u> ... 80 V
Power input, idle	60 mA
max. power input	1,2 A at Ia = 5 V / 5 A u. 12 V / 2 A simultaneously
Output voltage Va1	5,1 V +/- 1%
max. output current Ia1	6 A
Short circuit current	6,1...6,5 A
Output voltage Va2	12,4 V +/- 1%
max. output current Ia2	2 A
Short circuit current	2,1...2,5 A
Efficiency	typ. 85% full load, 82% half load
Pulse frequency	100 kHz
Residual ripple	< 20 mV
Accuracy	+/- 1%
No-load/overload/short circuit proof	yes
Inverse polarity protection	yes
Insulation voltage	1,5 kV / 1 min
Admissible temperature range	-25°C ... + 70°C
Storage temperature	-40°C ... +85°C