

Extra specification SMC series

Input voltage	18-32 VDC
Output Voltage	13,8 VDC +/- 2%
Transient voltage protection	Meets ISO7637-2 International standard for 24Vdc commercial vehicles
Electrostatic voltage protection	Meets ISO10605, ISO14892, >8kV contact, 15kV discharge
Output noise	<50mV pk-pk (100mV on 24V units) at continuous load. Meets CISPR25 and VDE0879-3
Off load current (quiescent current)	<20mA
Power conversion efficiency	~ 92%
Mean time between failures	>143 years
Operating temperature	-25°C to +30°C to meet this specification table +30°C to +80°C de rate linearly to 0A
Storage temperature	-25°C to +90°C
Operating humidity	95% max., non-condensing
Casework	Anodised aluminium
Connections	4 x 6.3mm push-on flat blade connectors (Faston)
Mounting method	4 slots for max M5
Safe area protection	Over current : Limited by current sensing circuit Over heat : Limited by temperature sensing circuit (SMC05/20/30/60) Transients Protected by filters and rugged component selection Catastrophic failure Protected by internal input
Approvals	89/336/EEC The general EMC directive 95/54/EC The automotive directive 93/68/EEC The CE marking directive
Markings	CE