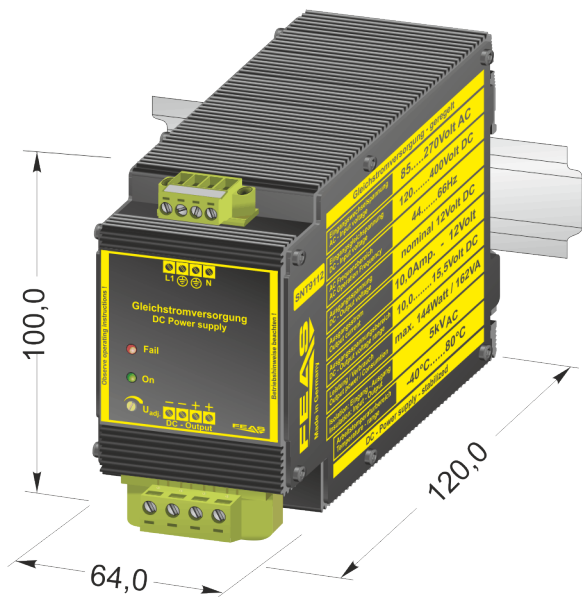


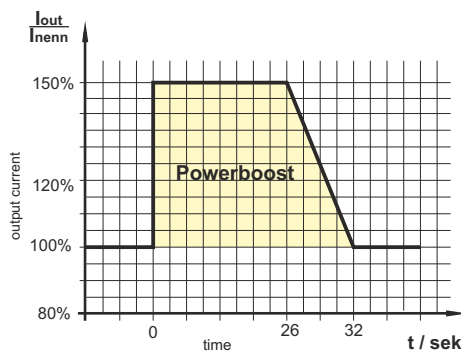
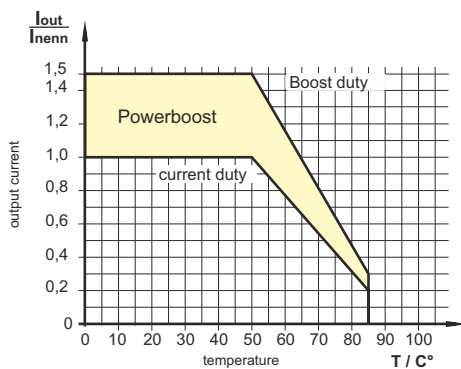
# Data sheet

## Switch mode power supply: SNT9112

### Technical data



CE - konform



#### Products of the series:

Type	SNT9112	SNT9124	SNT9148
Order number	586113	586125	586149
Output voltage	12VDC	24VDC	48VDC
Output current	10,0A	6,0A	3,0A

General data	
Type	SNT9112
FEAS Order number	586113
Product description	Switch mode power supply
Product function	DC power supply
Input data	
AC input voltage	85 - 270V <sub>AC</sub> (0-400Hz)
DC input voltage	120 - 400V <sub>DC</sub>
Input current at nominal load	at 115V <sub>AC</sub> max. 1.5A / at 230V <sub>AC</sub> max. 0.84A
Input current peak	< 17 A at 270V <sub>AC</sub>
Protective circuit	Transient voltage suppressor Varistor
Output data	
Output voltage U <sub>Nominal</sub>	12V <sub>DC</sub>
Range of adjustment	10.0 ..... 15.5V <sub>DC</sub>
Output current I <sub>Nominal</sub>	10.0A
Current limiting	approx. 1.5 x I <sub>Nominal</sub>
Power	144 Watt
Residual ripple (20MHz Bandwidth)	<50mV <sub>PP</sub>
Control data	
Control deviation (Load)	<200mV with load variation 10 ..... 90%
Control deviation (Supply)	<10mV with load variation ±10%
Control time	<10ms with load variation 10 ..... 90%
Operating data	
Duty circle	100%
Efficiency	approx. 91%
Parallel connection	Yes
Operating temperature range	-40°C to +80°C
Storage temperature range	-40°C to +105°C
Derating	from 50°C
Cooling	selfcooling recommended respective distance 15mm each
Installation altitude	unlimited
MTBF	> 380.000h
Safety devices	
Fuse for input	at 115V <sub>AC</sub> 2.5A delayed / at 230V <sub>AC</sub> 1.25A delayed
Fuse for output	not necessary - short circuit proof
Overload protection	integrated into device
Hold-up time	20 ms typ.
Safety data	
Test voltage transformer	5kV <sub>AC</sub> according to VDE0551
High voltage resistance	Input/Output 4,4kV <sub>AC</sub> according to VDE0806/IEC380
Degree of EMI suppression	according to VDE0871B, EN55022/B
Protection class	Protection class I with PE-Connection (EN60950-1)
Extra low safety potential	PELV (EN60204), SELV (EN60950)
Ambient humidity	95% relative humidity, yearly average dewing allowed for use in tropical ambient
Protective class enclosure	IP65
Protective class terminals	IP20 (BGV A3)
Vibration proof	>30g bei 33Hz in X, Y und Z nach IEC68 und DIN41640
Status & Signal	
Status indicator	LED - Operating, LED - Operating fail
Signals	-
Applied construction regulations	
according to VDE	VDE0100, VDE0110, VDE0113, VDE0551, VDE0160/W2, VDE0806
IEC	IEC60950, IEC61000-6-1-2-3-4, IEC60068-2-3, IEC60068-2-11-52, IEC60529, IEC380
EN	EN60950-1, EN61140, EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4, EN55022, EN55011, EN61000-3-2, EN61000-3-3, EN50204, EN60204, EN60529, EN61000-4-2-3-4-5-6-8-11, EN60068-1, EN6068-2-1-2-3-6-27-30, EN45501, EN50021, EN61558-2-17, EN50178
CSA/UL	CSA-C 22.2 / UI60950, UI508, UL1950
Mechanical data	
Mounting	on DIN rail or on wall with screws
Dimensions (W x H x D)	64mm x 100mm x 120mm
Weight	approx. 1.50kg



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