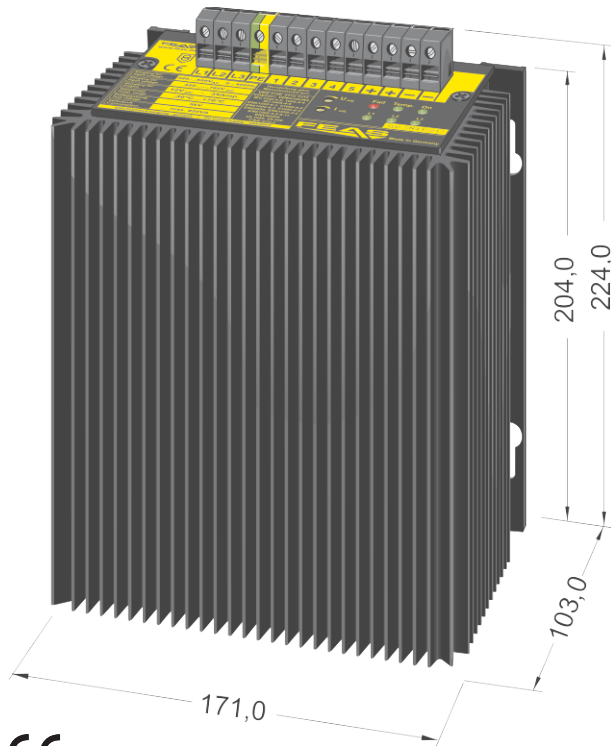


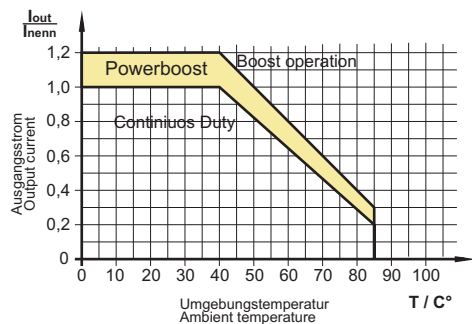
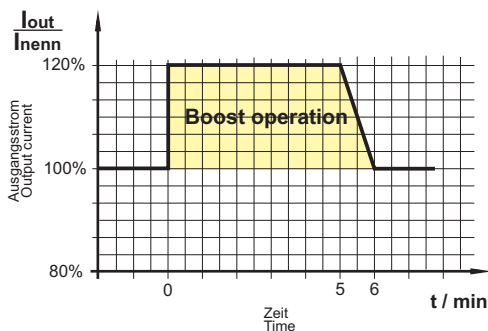
Data sheet

Switch mode power supply: SNT12812

Technical data



CE - konform



Products of the series:

Type	SNT12812	SNT12824
Order number	582212	582224
Output voltage	12VDC	24VDC
Output current	35A	20A

General data

Type	SNT12812
FEAS Order number	582212
Product description	Switch mode power supply
Product function	DC power supply

Input data

AC input voltage	320 - 550V _{AC} (0-400Hz)
DC input voltage	450 - 780V _{DC}
Input current at nominal load	at 400V _{AC} in 3-phase operation max. 0,85A
Input current peak	< 24,0 A at 550V _{AC}
Protective circuit	Transient voltage suppressor Varistor

Output data

Output voltage U _{Nominal}	12V _{DC}
Range of adjustment	10,0 15,5V _{DC}
Output current I _{Nominal}	35,0A
Current limiting/Fuse Mode	adjustable 0,5 ... 1,2 x I _{Nominal}
Power	420 Watt
Residual ripple (20MHz Bandwidth)	<50mV _{PP}

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. 90%
Parallel connection	Yes
Operating temperature range	-30°C to +70°C
Storage temperature range	-30°C to +105°C
Derating	from 40°C
Cooling	selfcooling recommended respective distance 15mm each
Installation altitude	unlimited
MTBF	> 380.000h

Safety devices

Fuse for input	2,0A delayed each phase
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 _{AC} according to VDE0570
High voltage resistance	Input/Output 4,4kV _{AC} according to VDE0806/IEC380
Degree of EMI suppresion	according to VDE0871B, EN55022/B
Protection class	Protection class I with PE-Connection (EN60950)
Extra low safety potential	PELV (EN60204), SELV (EN60950)
Ambient humidity	95% relative humidity, yearly average dewung allowed for use in tropical ambient
Protective class enclosure	IP 65
Protective class terminals	IP20 (BGV A3)
Vibration proof	>100g at 33Hz in X, Y and Z according to IEC68 and DIN41640

Status & Signal

Status indicator	LED - Operating, LED - Operating fail, LED - Phase
Signals	Overtemperature, phase failure, output
Interface	-

Applied construction regulations

according to VDE	VDE0100, VDE0110, VDE0113, VDE0551, VDE0806
IEC	IEC60950-1, IEC61000-6-1,2,3,4, IEC60068-2-3, IEC60068-2-11-52, IEC60529
EN	EN60950-1, EN61140, EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4, EN55022, EN55011, EN61000-3-2, EN61000-3-3, EN60204, EN60529, EN61000-4-2,3,4,5,6,8,11, EN60068-1, EN6068-2, EN61558-2-17
CSA/UL	CSA-C 22.2 / UI60950-1, UI508, UL1950

Mechanical data

Mounting	Wall mounting with screws
Dimensions (W x H x D)	171mm x 224mm x 103mm
Weight	approx. 7.00kg



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