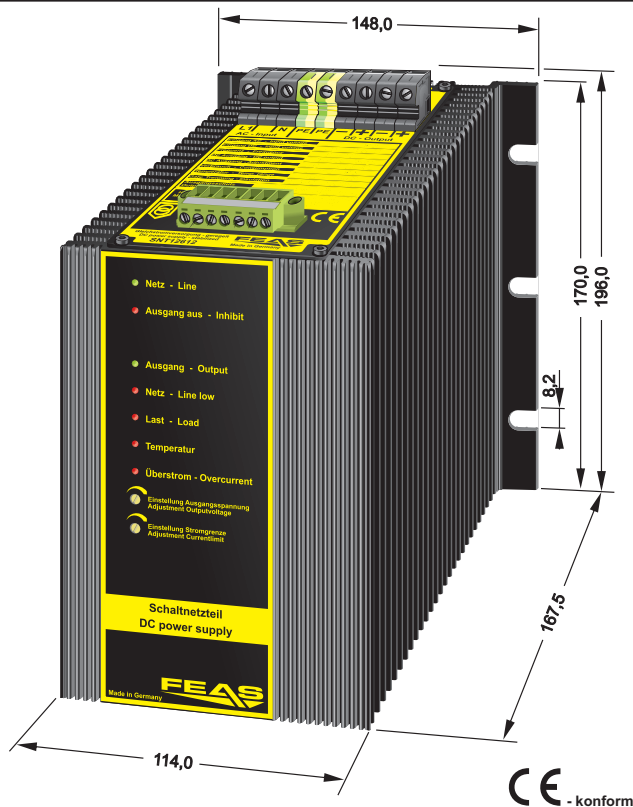


Data sheet

Switch mode power supply: SNT12612



Technical data

General data

Type	SNT12612
FEAS Order number	584431
Product description	Switch mode power supply
Product function	DC power supply

Input data

AC input voltage	85 - 270V _{AC} (0-66Hz)
DC input voltage	120 - 400V _{DC}
Input current at nominal load	at 115V _{AC} max. 5.0A / at 230V _{AC} max. 2.5A
Input current peak	< 10 A at 270V _{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} - 17.5 ... 42.0A
Power nominal / maximum	420 Watt / 630 Watt
Residual ripple (20MHz Bandwidth)	<50mV _{PP}
max. Power consumption in standby	<10 Watt

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 +70°C
Storage temperature range	- 40°C to +105°C
Derating	from 40°C
Cooling	selfcooling
Installation altitude	unlimited
MTBF	> 380.000h

Safety devices

Fuse for input	at 115V _{AC} 10.0A delayed / at 230V _{AC} 5.0A 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 _{AC} according to VDE0551
High voltage resistance	Input/Output 4.4 kV _{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 dewing allowed for use in tropical ambient
Protective class enclosure	IP65
Protective class terminals	IP20 (BGV A3)
Vibration proof	>100g at 33Hz in X, Y and Z according to IEC68 and DIN14640

Status & Signal

Status indicator	LED - Operating, Load, Temperature, Input, Output
Signals	Relay - Overtemperature, Overload/Power-Good

Applied construction regulations

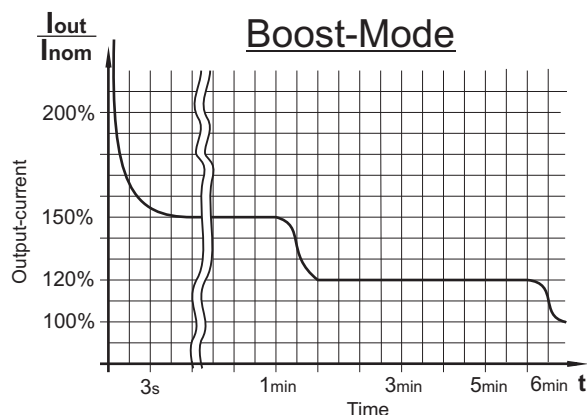
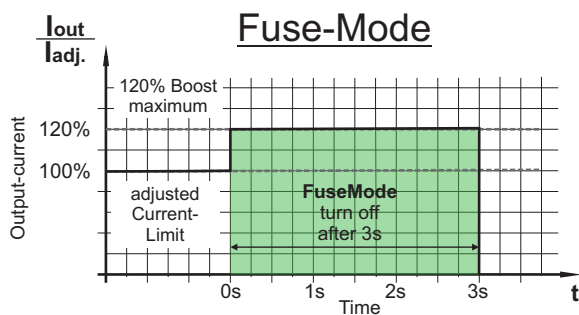
according to VDE	VDE0100, VDE0110, VDE0113, VDE0551, VDE0160/W2, VDE0806
IEC	IEC60950, IEC61000-6-1-2-3-4, IEC60068-2-3, IEC60068-2-11-52, IEC60529, IEC380
EN	EN60950-1, EN61140, EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4, EN55022, EN55011, EN61000-3-2, EN61000-3-3, EN50204, EN60204, EN60529, EN61000-4-2-3-4-5-6-8-11, EN60068-1, EN60668-2-1-2-3-6-27-30, EN45501, EN50021, EN61558-2-17, EN50178
CSA/UL	CSA-C 22.2 / UI60950, UI508, UL1950

Mechanical data

Mounting	on Wall with screws
Dimensions (W x H x D)	148mm x 196mm x 167.5mm
Weight	approx. 7.00kg

Products of the series:

Type	SNT12612	SNT12624	SNT12648
Order number	584431	584430	584432
Output voltage	12VDC	24VDC	48VDC
Output current	35,0A	20,0A	10,0A



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