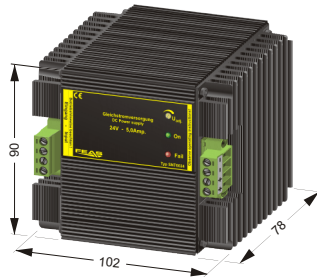


Switch mode DC power supply type SNT60



CE - konform

- Output separated according to VDE 0551
- Extra low safety potential PELV (EN 60204), SELV (EN 60950)
- Overload- and open circuit protected short circuit proof
- Parallel connection possible Protected against pol-permutation at the output
- Suitable for the tropics - Epoxy resin casted
- Operating status shown by LED
- Safety acc. to VDE, EN, UL, CSA



Technical data

Input data		
Input voltage AC	85 - 270Volt	0 - 400 Hz
Inputvoltage DC	120Volt - 380Volt	
Input current at nominal load	at 115VAC max. 2,2A / at 230VAC max. 1,0A	
Input current peak	< 18Amp. at 270VAC	
Protective circuit	Transient voltage suppressor Varistor	
Hold-up time	20 mSek. typ.	
Output data		
Output voltage $U_{Nominal}$	see table below	
Output current $I_{Nominal}$	see table below	
Current limiting	1,2 x I_N	
Residual ripple (20MHz)	< 50 mVpp	
Control data		
Control deviation load	< 200mV with load variation 10...90%	
Control deviation supply	< 10mV with supply variation $\pm 10\%$	
Control time	< 10 mSek. with load variation 10...90%	
Operating data		
Duty circle	100%	
Operating temperature range	- 30°C to +80°C	
Derating	from 40°C	
Storage temperature range	-30°C...+105°C	
Cooling	selfcooling	
	recommended respective distance 15mm each	
Safety devices		
Fuse for input	see table below	
Fuse for output	not necessary - cont. short-circuit proof	
Overload protection	integrated into device	
MTBF	>380.000 h	
Safety data		
Test voltage transformer	5 kVac in accordance to VDE 0551	
High voltage resistance	Primary circuit - secondary circuit 3,75 kVac acc. to VDE 0806 / IEC 380	
Degree of EMI suppresion	in acc. to VDE 0871 B, EN 55022/B	
Protection class	Class 1, with PE connection (EN 60950)	
Extra low safety potential	PELV (EN60204), SELV (EN 60950)	
Ambient humidity	95% relative humidity, yearly average dewing allowed for use in tropical ambient	
Protective class enclosure	IP 65	
Protective class terminals	IP 20 (VGB4)	
Vibration proof	>30g at 33Hz in X,Y and Z, acc. to IEC 60068-2-27	
Applied construction regulations		
according to VDE	VDE 0100, 0110, 0113, 0551, 0160/W2, 0806	
IEC	IEC 60950, IEC61000-6-1-2-3-4, IEC60068-2-3 IEC 60068-2-11-52, IEC 60529, IEC 380	
EN	EN60950, EN50081-1, EN50081-2, EN50082-1 EN61000-6-1-2-3-4, EN50178, EN55022 EN55011, EN61000-3-3, EN50204, EN61558-2-17 EN60204, EN60529, EN61000-4-2-3-4-5-6-8-11 EN60068-1, EN60068-2-1-2-3-6-27-30 EN45501, EN50021	
CSA / UL	CSA-C 22.2 / UL60950, UL508, UL1950	
Mechanics		
Mounting	On rails acc. to DIN46277 or with screws	

Output voltage nominal		12,0V _{DC}	14,0V _{DC}	15,0V _{DC}	24,0V _{DC}	28,0V _{DC}	48,0V _{DC}
Range of adjustment output voltage		10,0-15,5V _{DC}	10,0-15,5V _{DC}	10,0-15,5V _{DC}	22,5-30,0V _{DC}	22,5-30,0V _{DC}	45,0-60,0V _{DC}
Type		SNT6012	SNT6014	SNT6015	SNT6024	SNT6028	SNT6048
Output current		8,0Amp.	7,0Amp.	7,0Amp.	5,0Amp.	4,5Amp.	2,5Amp.
Power		96Watt	98Watt	105Watt	120Watt	126Watt	120Watt
Efficiency		86%	87%	87%	89%	90%	90%
Fuse for Input delayed	115VAC	4,0Amp.	4,0Amp.	4,0Amp.	4,5Amp.	4,5Amp.	4,5Amp.
	230VAC	2,0Amp.	2,0Amp.	2,0Amp.	2,25Amp.	2,25Amp.	2,25Amp.
Dimensions (W x H x D)		102x90x78	102x90x78	102x90x78	102x90x78	102x90x78	102x90x78
Weight		approx. 1,06kg	approx. 1,06kg	approx. 1,06kg	approx. 1,06kg	approx. 1,06kg	approx. 1,06kg
Order-No.		584912	584914	584915	584924	584928	584948