





Main Features

- High efficiency and compact size
- Active PFC
- Overload 150%
- Usable for application where low line voltage is often present



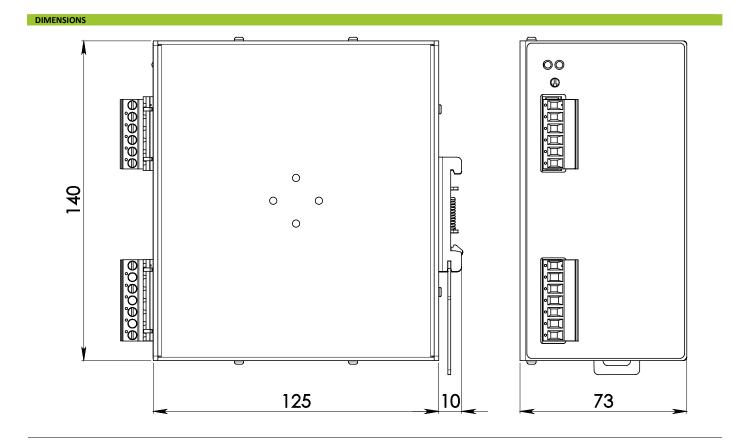
TECHNICAL DATA

DUTPUT DATA tated voltage kdj. output voltage range Continuous current Dverload limit short circuit peak current oad regulation tipple & Noise ¹ Hold up time Protections		24Vdc 2328Vdc 20A 28A	
Adj. output voltage range Continuous current Overload limit Wort circuit peak current oad regulation Apple & Noise ¹ Hold up time		2328Vdc 20A	
Continuous current Overload limit ihort circuit peak current oad regulation tipple & Noise ¹ fold up time		20A	
Overload limit Hort circuit peak current oad regulation Lipple & Noise ¹ Hold up time			
ihort circuit peak current oad regulation lipple & Noise ¹ łold up time		204	
oad regulation lipple & Noise ¹ lold up time		28A	
Ripple & Noise ¹ Hold up time		50A	
fold up time	≤ 1%		
	≤ 50mVpp		
	≥ 20ms		
rotections	Overload short circuit:		
	 Overload, short circuit: Hiccup mode Thermal protection 		
	Output overvoltage		
Dutput overvoltage protection		≥ 33Vdc	
acput over voltage protection		2.55400	
Status Signals	 DC OK - green LED OVERLOAD - red LED 		
arallel connection		Possible for redundancy (with external ORing module)	
NPUT DATA			
		Nominal: 3 phases, 400500Vac (UL certified)	
nput AC rated voltage	Range: 340550Vac 4763Hz		
requency			
put DC rated voltage	· · · · · · · · · · · · · · · · · · ·	470725Vdc	
nput AC rated current			
in = 400Vac	1.3A		
/in = 500Vac		1.1A	
nput DC rated current			
in = 470Vdc		1.2A	
/in = 725Vdc	0.8A		
ower factor correction	Active / > 0.9		
nrush peak current		≤ 60A	
ouch (leakage) current	≤ 0.5mA		
nternal protection fuse	None, external fuse must be provided		
ecommended external protection	Fuse 3x 6.3AT or 3x MCB 6A C curve or 3x 4A D curve		
	It is strongly reco	ommended to provide external surge arresters (SPD) according to local regulations.	
SENERAL DATA			
fficiency		> 92%	
Dissipated power		< 42W	
		- 40°C+ 70°C	
Operating temperature ²		UL certified up to 45°C	
Derating		-10W/°C over 45°C	
	- 40°C+ 80°C		
itorage temperature			
lumidity		595% r.H. non condensing	
ife time expectation		65'496h (7.4 years) at 25°C ambient full load	
Dvervoltage category	 EN50178 		
Pollution degree	 ENS0178 IEC60664-1 	2	
0			
rotection Class	CLASS	l	
nput / output isolation		4.2kVdc	
nput / ground isolation		2.2kVdc	
		0.75kVdc	
Dutput / ground isolation	l		
	 UL508 	(certified E356563)	
afety Standards	 EN60950 	(reference)	
	 EN50178 	(reference)	
	 EN55011 (CISPR11) 	Class A	
MC Emission	 EN55022 (CISPR22) 	Class A	
	 EN61000-3-2 	Class A	
	 EN61000-4-2 	Level 3	
	 EN61000-4-2 EN61000-4-3 	Level 3 Level 3	
MC Immunity			
MC Immunity	 EN61000-4-4 EN61000-4-5 	Level 3	
		Level 3	
	2101000 4 11	Level 2	
Protection degree	 EN60529 	IP20	
/ibration sinuosoidal	 IEC 60068-2-6 	(5-17.8Hz: ±1.6mm; 17.8-500Hz: 2g 2hours / axis (X,Y,Z)	
hock	 IEC 60068-2-27 	(30g 6ms, 20g 11ms; 3 bumps / direction, 18 bumps total)	
	120 00000-2-27		
Connection terminals	2.5mm ² , screw type pluggable (2412AWG)		
Case material	Aluminum		
Veight	1.0kg		
-			
iize (W x H x D)	73.0 x 140.0 x 125.0mm dwidth, probe terminated with a 0.1µF MKP parallel capacitor.		

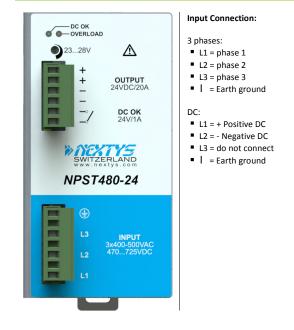
Notes:
- Technical parameters are typical, measured in laboratory environment at 25°C and 400Vac / 50Hz, at nominal values, after minimum 5 minutes of operation.
- Power rating, losses, efficiency, ripple, thermal behaviour and start-up may change outside of the nominal rated input range. Contact factory for details.
- Data may change without prior notice in order to improve the product.

NPST480-24





CONNECTION



Output Connection:

- + = Positive DC
- = Negative DC
- Signalling:
- DC OK: dry contact
- NOCOM
- 0