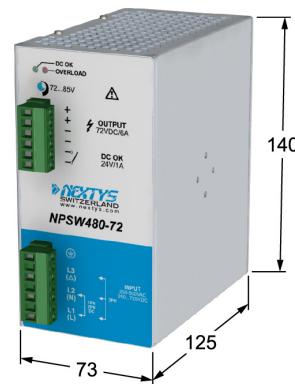


NPSW480 – 480W Wide Range DIN Rail Switching Power Supply

- 1, 2 or 3 phase AC (187...550Vac) or DC (250...725Vdc) input
- Active Power Factor Corrector
- High efficiency and compact size
- Usable for broad range of industrial, telecom and renewable energy applications



IND.CONT.EQ
4WX9



For reference only

TECHNICAL DATA

	NPSW480-24	NPSW480-48	NPSW480-72
OUTPUT DATA			
Rated voltage	24Vdc	48Vdc	72Vdc
Adj. output voltage range	23...27.5Vdc	45...55Vdc	72...85Vdc
Continuous current	20A	10A	6A
Overload limit	28A / 5s	14A / 5s	9A / 5s
Short circuit peak current	50A	25A	12A
Load regulation	< 1 %		
Ripple	< 100mVpp		
Hold up time (Vin = 400Vac)		> 20ms	
Protections	Overload/short circuit: hiccup Over temperature Overvoltage		
Output overvoltage protection	> 33Vdc	> 68Vdc	> 100Vdc
Parallel connection	Possible with external Oring diode DC OK – green LED OVERLOAD – red LED Dry contact 1A / 24Vdc		
Status Signals			
INPUT DATA			
Input rated voltage frequency	AC: 1 phase, 2 phase, 3 phase, 200...500Vac / 47...63Hz (range 187...550Vac) DC: 250...725Vdc (UL certified from 300Vdc to 500Vdc)		
Input rated current 1/2 phase @200Vac	2.9A		
1/2 phase @500Vac	1.3A		
3 phase @200Vac	1.8A		
3 phase @500Vac	0.8A		
Inrush peak current (Vin = 230Vac)	< 20A		
(Vin = 500Vac)	< 40A		
Power factor (Vin = 230Vac)	> 0.95		
(Vin = 400Vac)	> 0.92		
Internal protection fuse	None, external fuse must be provided		
External protection on AC line	Fuse 6.3AT or MCB 6A C curve or 4A D curve		
GENERAL DATA			
Efficiency	> 92%	> 92%	> 91%
Dissipated power	< 42W		
Operating temperature	- 20°C...+ 60°C (over temperature protection)		
Derating	- 16W/°C over 45°C		
Oversupply category	II		
Pollution degree	2 (IEC 664-1)		
Input / output isolation	4.2kVdc		
Input / ground isolation	2.2kVdc		
Output / ground isolation	0.75kVdc		
Standards & Approvals	UL508, EN60950 (reference), CE marking		
EMC Standards	EN61000-6-2, EN61000-6-4		
Protection degree	IP20 acc. to EN60529		
Connection terminals	2.5mm ² , screw type pluggable (24...12AWG)		
Case material	Aluminum		
Approx. Weight	1.0kg		
Size (W x H x D)	73.0 x 140.0 x 125.0mm		
Mounting rail	IEC 60715/H15/TH35-7.5-(15)		
Rail mounting information	Vertical, allow 20mm spacing between adjacent items		