

- High efficiency and compact size
- > 150% overload capability
- Constant Current or Hiccup Mode limitation
- Low noise thermal regulated 60mm fan
- Easy parallelable for power increase

IND.CONT.EQ  
4WX9

For reference only

**TECHNICAL DATA**

	NPST961-24	NPST961-48	NPST961-72		
<b>OUTPUT DATA</b>					
Rated voltage	24Vdc	48Vdc	72Vdc		
Adj. output voltage range	23...27.5Vdc	45...55Vdc	72...85Vdc		
Continuous current	40A	20A	13.3A		
Overload limit	56A / 5s	28A / 5s	18.6A / 5s		
Short circuit peak current	> 90A / 5s	> 70A / 5s	> 30A / 5s		
Load regulation	< 2%	< 1.5%	< 1%		
Ripple	< 100mVpp				
Hold up time (Vin = 400Vac)	> 15ms				
Overload, short circuit, with constant or hiccup mode (user settable)					
Protections	Thermal protection Input Undervoltage lockout				
Output overvoltage protection	> 33Vdc	> 60Vdc	> 100Vdc		
Parallel connection	Up to 4 units for increased power				
Status Signals	DC OK – green LED ALARM – red LED Dry contact 1A / 24Vdc				
<b>INPUT DATA</b>					
Input rated voltage frequency	AC: 3 phase, 400...500Vac / 47...63Hz (range 340...550Vac) DC: 470...725Vdc				
Input rated current (Vin = 400Vac)	2.8A				
(Vin = 500Vac)	2.2A				
Inrush peak current (Vin = 400Vac)	< 30A				
Power factor (Vin = 400Vac)	> 0.6				
Internal protection fuse	None, external fuse must be provided				
External protection on AC line	Fuse 3x 10AT or 3x MCB 10A C curve				
<b>GENERAL DATA</b>					
Efficiency	> 92%	> 94%			
Dissipated power	< 80W	< 60W			
Operating temperature	- 20°C...+ 60°C (over temperature protection) - 15W/°C over 50°C				
Derating	II				
Overvoltage category	2 (IEC 664-1)				
Pollution degree	4.2kVdc				
Input / output isolation	2.2kVdc				
Input / ground isolation	0.75kVdc				
Output / ground isolation	UL508 (certified), EN60950, CE marking				
Standards & Approvals	EN61000-6-2, EN61000-6-4				
EMC Standards	IP20 acc. to EN60529				
Protection degree	1.5...10mm <sup>2</sup> , screw type header (16...7AWG)				
Connection terminals	Aluminum				
Case material	1.2kg				
Approx. Weight	80.0 x 127.0 x 137.5mm				
Size (W x H x D)	IEC 60715/H15/TH35-7.5(-15)				
Mounting rail	Vertical, allow 50mm spacing between adjacent items				
Rail mounting information					