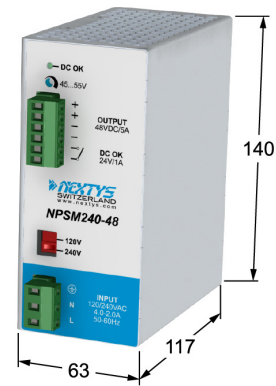


NPSM240 – 240W DIN Rail Switching Power Supply

- High efficiency and compact size
- Overload 130%
- Only 63mm width aluminium enclosure



For reference only



IND.CONT.EQ
4WX9



TECHNICAL DATA

	NPSM240-12	NPSM240-24	NPSM240-24P	NPSM240-48P	NPSM240-72P
OUTPUT DATA					
Rated voltage	12...15Vdc	24Vdc		48Vdc	72Vdc
Adj. output voltage range	12...15Vdc	23...27.5Vdc		45...55Vdc	72...85Vdc
Continuous current	16...14A	10A		5A	3.5A
Overload limit	19...16A	13.5A		6.8A	4.6A
Short circuit peak current	42A / 140ms	35A / 150ms		20A / 160ms	14A / 150ms
Load regulation	< 1%				
Ripple	< 100mVpp				
Hold up time (Vin = 120Vac)	> 100ms	> 80ms		> 80ms	> 80ms
(Vin = 230Vac)	> 90ms	> 90ms		> 80ms	> 80ms
Protections	Overload/short circuit: hiccup Over temperature Overvoltage				
Output overvoltage protection	> 6.8Vdc	> 33Vdc		> 68Vdc	> 100Vdc
Parallel connection	Possible with external Oring diode		Factory provided with internal Oring diode		
Status Signals	DC OK – green LED Dry contact 1A / 24Vdc				
INPUT DATA					
Input rated voltage frequency	AC: 120/240Vac / 47...63Hz (range 90...132 / 187...264Vac) settable with Voltage Input Selector DC: 270...345Vdc				
Input rated current (Vin = 120Vac)	4.0A				
(Vin = 230Vac)	2.0A				
Inrush peak current	< 35A				
Power factor	> 0.6				
Internal protection fuse	Fuse 6.3AT / 250V				
External protection on AC line	Fuse 10AT or MCB 10A C curve				
GENERAL DATA					
Efficiency	... > 86%	> 88%	> 86%	> 88%	> 88%
Dissipated power	... < 34W	< 33W	< 35W	< 30W	< 34W
Operating temperature	- 20°C...+ 70°C (over temperature protection)				
Derating	- 5.0W/°C over 50°C				
Overvoltage 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 header (24...12AWG)				
Case material	Aluminum				
Approx. Weight	0.720kg				
Size (W x H x D)	63.0 x 140.0 x 117.0mm				
Mounting rail	IEC 60715/H15/TH35-7.5(-15)				
Rail mounting information	Vertical, allow 10mm spacing between adjacent items				