

Power Supply SN60V/8A

Always appropriate: JAT accessories



under preparation



Ideal for highly dynamic drives

50% boost of the output power to 720 W for 5 s
Stable supply with load changes



Integrated brake chopper

Safe limitation of the DC link voltage



Worldwide use

Wide range input 100 ... 240 V_{AC}



Little space required in the cabinet

Dimensions 95 x 127 x 150,5 mm (W x H x D)



Minimal installation effort

DIN rail mounting

Switching power supply for servo amplifiers and compact servo drives

Particularly suitable for ECOMODUL, ECOMiniDual, ECOVARIO 114/214, ECOMPACT

Nominal output voltage:

60 V_{DC}

Nominal output power:

480 W

Internal brake chopper

100 W

Can be connected in parallel and in series

Soft start

Potential-free status output

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→ Technical data

Input data power unit

Rated input voltage	[V _{AC}]	100 ... 240
Input voltage range	[V _{AC}]	85 ... 264
Rated frequency range	[Hz]	47 ... 63
Inrush current limitation	[A _{peak}]	< 30, NTC active
Power factor		0,92 (PFC active)
Power failure bridging	[ms]	20 (@ 230 V _{AC} / nominal load)
Primary fuse external	[A]	10, 16 (B, C)
Primary fuse internal	[A]	10, fuse not accessible
Input connectors		Push-in clamp 0,2 to 2,5 mm ² fixed and flexible, 3 pins

Output data power unit

Rated output voltage	[V _{DC}]	60
Output voltage range	[V _{DC}]	58 ... 65, adjustable
Ripple (20 MHz bandwidth)	mV _{pp}	< 100
Rated output current	[A]	8 (@ 60V _{DC})
Output current 5 s	[A]	12
Overload behaviour	[A]	Constant current, typ. 8,1 to 8,2 (permanently short-circuit proof)
Rated output power	[W]	480
Feedback resistance	[V _{DC}]	min. 100
Parallel connection		yes, unlimited, output voltage must be set the same
Serial connection		yes, max. 3 devices (180 V _{DC} total nominal voltage)
Efficiency		typ. 93% (@ 230V _{AC} and rated power)
Output connectors		Push-in clamp 0,2 to 6 mm ² flexible, 0,2 to 10 mm ² fixed, 4 pins

Signalling

Signal output sum error (Overtemperature, Secondary overvoltage, overtemperature chopper resistor, no mains)		Potential-free contact (solid state), open in case of error max. 30 V / 1 A
Control connectors		Push-in clamp 0,2 to 2,5 mm ² fixed and flexible, 2 pins

Braking resistor

Braking resistor at the output		10 Ω / 100 W, connection from 73 V _{DC} , disconnection from 69 V
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Ambient conditions			Standards and directives	
Ambient temperature storage and transport	[°C]	-25 ... +85	Safety	EN 61558-2-16, EN 61010-1, EN 61010-2-201
Ambient temperature operation (≤ 2000 m)	[°C]	-25 ... +40		
Cooling	natural convection		EMC interference emission	EN 61204-3
Side distance required	[mm]	0	Limits for harmonic currents	EN 61000-3-2 class A
Required distance above / below	[mm]	50	CE	acc. to 2014/30/EU and 2014/35/EU
Degree of humidity operation, storage, transport	5 ... 96 % (non-condensing)		RoHS	2011/65/EU
Climate class (acc. to EN 60721)		3k3	Approvals	
Protection class acc. to IEC 60529		IP 20	UL/CSA 61010-1 /-2-201	under preparation
Protection class acc. to EN 61140	I (under preparation)		Mechanical data	
Pollution degree		2	Mounting	DIN rail TS-35
Installation altitude	[m]	≤ 2000	Mounting position	vertical
Overtoltage category		3	Housing material	Aluminium/plastic
Test voltage (pri - sec)	[V _{oc}]	4242	Weight	[kg] approx. 1,6
Leakage current	[mA]	< 3,5	Dimensions without DIN rail (WxHxD)	[mm] approx. 95 x 127 x 152
MTBF value with load profile	[h]	> 500.000		

→ Dimensions

