

AXSP3P03
AXSP3P05012
AXSP3P03N
AXSP3P05012N

Switch mode power supply 195÷265VAC / 24VDC 3A
Switch mode power supply 195÷265VAC / 12VDC 5A
Battery charger version 195÷265VAC / 27,6VDC 3A
Battery charger version 195÷265VAC / 13,8VDC 5A

- Switch mode AC/DC converter
- For industrial use
- Small compact design, DIN rail mounting
- SELV
- Overvoltage, overcurrent and temperature protection
- Battery connection in backup power supply systems



Type	Output voltage	Output current	Power max.	Nom. input voltage
AXSP3P03	24 VDC	3 A	98 W	220÷240 VAC
AXSP3P05012	12 VDC	5 A	81 W	220÷240 VAC
AXSP3P03N	27,6 VDC	3 A	98 W	220÷240 VAC
AXSP3P05012N	13,8 VDC	5 A	81 W	220÷240 VAC

Input	AXSP3P03	AXSP3P05012	AXSP3P03N	AXSP3P05012N
Input voltage range	195 ... 265 VAC			
Input frequency	47 ... 63 Hz			
Input current at 230 VAC	0,6 A			
Inrush current	<4 A			
Suggested input protection	T 2,5 A			

Output	AXSP3P03	AXSP3P05012	AXSP3P03N	AXSP3P05012N
Output voltage	24 V	12 V	27,6 V	13,8 V
Output voltage adjustability	20 ... 28 V	10 ... 14 V	20 ... 28 V	10 ... 14 V
Output voltage tolerance	±1%			
Line / load regulation	±0,5%			
Dynamic load regulation 0,1<=>0,9 I _{o nom}	±2%			
Output voltage ripple	<100 mV _{pp} (typ 30 mV _{pp})			
Output current	3 A	5 A	3 A	5 A
Hold-up time	50 ms	60 ms	50 ms	60 ms
Efficiency	86%			
Output state signalisation	green LED			
Output voltage setting	by potentiometer on the front panel			

Protection	AXSP3P03	AXSP3P05012	AXSP3P03N	AXSP3P05012N
Input fuse	T 2 A			
Overcurrent protection	>3,3 A	>5,5 A	3 A	5 A
Independent overvoltage protection	<32 V	<16 V	<32 V	<16 V

Safety	
LVD	EN 61010-1, SELV 3,7 kV ef AC I/O
Protective class	I
Polution class	2
Degree of protection	IP20

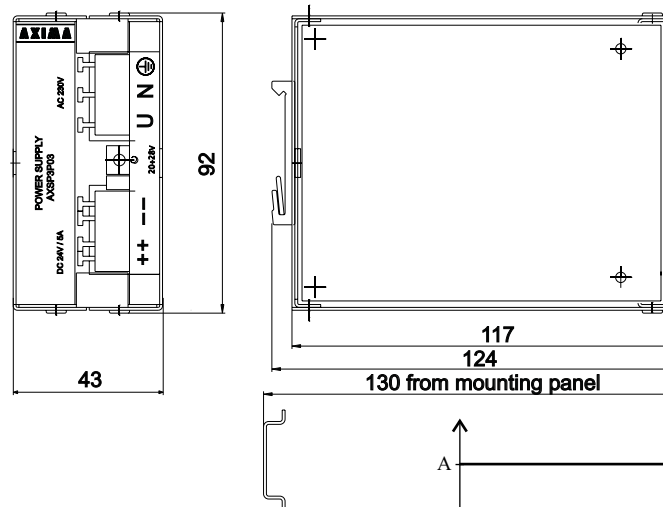
EMC			
EMC emissions	EN 61000-6-3		
EMC immunity	EN 61000-6-2		
Electrostatic discharge	EN 61000-4-2, level 3	perform. A	
Electromagnetic field	EN 61000-4-3, level 2	perform. A	
Electrical fast transient / Burst	EN 61000-4-4, level 3	perform. A	
Surge	wire to wire	EN 61000-4-5, level 3	perform. A
	wire to ground	EN 61000-4-5, level 3	perform. A
Conducted disturbances	EN 61000-4-6, level 2	perform. A	
Magnetic field	EN 61000-4-8, level 4	perform. A	

Possibility of connection (I/O)	0,5 ... 2,5 mm ²
Operating conditions	0 ... 50 °C, max. rel. humidity 80% (non-condensing)
Storage	dry place, -25 ... 80 °C, max. rel. humidity 80%
Weight	0,45 kg

Terminals description:

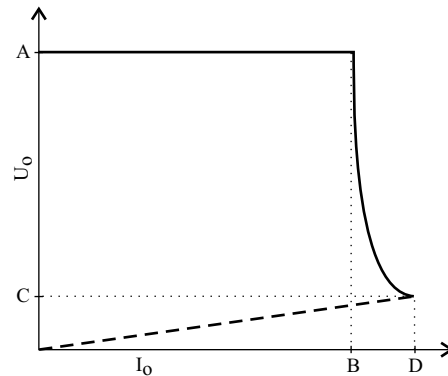
mark	description
⊕	protection wire connection
U	input of the phase wire
N	input of the neutral wire
+	positive output voltage
-	negative output voltage

Dimensions (mm):



Output characteristics at 230 VAC:

	A	B	C	D
AXSP3P03	24 V	>3,3 A	<6 V	>4,5 A
AXSP3P05012	12 V	>5,5 A	<3 V	>7 A
AXSP3P03N	27,6 V	3 A	<6 V	>4 A
AXSP3P05012N	13,8 V	5 A	<3 V	>6 A



The power supply for battery charging is not protected against the reverse polarity connection of the battery.

The protection can be done by mounting of the suitable fuse between battery and the power supply. The fuse type should be suitable for DC application with high breaking capacity a current rating one step above nominal current of the power supply. When the equipment is without mains longer time it is recommended to disconnect the battery from the power supply - for example by removing of the fuse.