

AXSP3P01
AXSP3P02012
AXSP3P01N
AXSP3P02012N

Switch mode power supply 195÷265VAC / 24VDC 1,3A
Switch mode power supply 195÷265VAC / 12VDC 2,0A
Battery charger version 195÷265VAC / 27,6VDC 1,3A
Battery charger version 195÷265VAC / 13,8VDC 2,0A

- 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
AXSP3P01	24 VDC	1,3 A	37 W	220 ÷ 240 VAC
AXSP3P02012	12 VDC	2,0 A	29 W	220 ÷ 240 VAC
AXSP3P01N	27,6 VDC	1,3 A	43 W	220 ÷ 240 VAC
AXSP3P02012N	13,8 VDC	2,0 A	33 W	220 ÷ 240 VAC

Input	AXSP3P01	AXSP3P02012	AXSP3P01N	AXSP3P02012N
Input voltage range	195 ... 265 VAC			
Input frequency	47 ... 63 Hz			
Input current at 230 VAC	0,3 A			
Inrush current	<20 A; 1,5 ms			
Suggested input protection	T 1,6 A			

Output	AXSP3P01	AXSP3P02012	AXSP3P01N	AXSP3P02012N
Output voltage	24 V	12 V	27,6 V	13,8 V
Output voltage adjustability	no			
Output voltage tolerance	±1%			
Line / load regulation	±0,5%			
Dynamic load regulation 0,1<=>0,9 I _o mom.	±2%			
Output voltage ripple	<100 mV _{pp}			
Output current	1,3 A	2,0 A	1,3 A	2,0 A
Hold-up time	50 ms	60 ms	40 ms	55 ms
Efficiency	84%			
Output state signalisation	green LED			

Protection	AXSP3P01	AXSP3P02012	AXSP3P01N	AXSP3P02012N
Overcurrent protection	>1,3 A	>2,0 A	1,3 A	2,0 A
Independent overvoltage protection	<30 V	<15 V	<30 V	<15 V

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

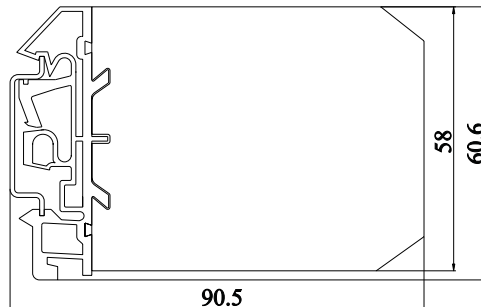
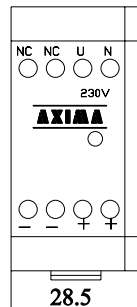
EMC		
EMC emissions	EN 61000-6-3	
EMC immunity	EN 61000-6-2	
Electrostatic discharge	EN 61000-4-2, level 2	perform. A
Electromagnetic field	EN 61000-4-3, level 2	perform. A
Electrical fast transient/burst	EN 61000-4-4, level 2	perform. A
Surge wire to wire	EN 61000-4-5, level 2	perform. A
Conducted disturbances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

Possibility of connection (I/O)	0,5 / 4 mm ²
Operating conditions	0 ... 50 °C, max. rel. humidity 80% (non-condensing)
Storage	dry place, -25 ... 80 °C, max. rel. humidity 80%
Weight	0,15 kg

Terminals description:

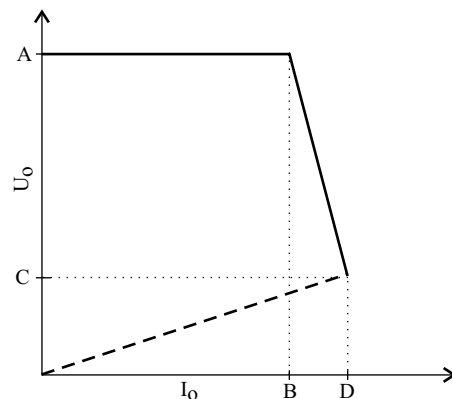
mark	description
U	input of the phase wire
N	input of the neutral wire
+	positive output voltage
-	negative output voltage
NC	not conected

Dimensions (mm):



Output characteristic at 230 VAC:

	A	B	C	D
AXSP3P01	24 V	>1,3 A	<15 V	>1,7 A
AXSP3P02012	12 V	>2,0 A	<8 V	>2,6 A
AXSP3P01N	27,6 V	1,3 A	<15 V	>1,6 A
AXSP3P02012N	13,8 V	2,0 A	<8 V	>2,5 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.