

Q.PS-AD1-24xx, Low voltage power supply

- Low Cost
- Short-circuit protection
- Over Load protection
- IP20
- DIN Rail Mountable
- Extremely small size



Features

Input Data

Code	Q.PS-AD1-2403	Q.PS-AD1-2405	Q.PS-AD1-2407
Input Rated Voltage	40 VDC / 28 VAC	40 VDC / 28 VAC	40 VDC / 28 VAC
Rated Voltage range	24÷32 VAC	24÷32 VAC	24÷32 VAC
Rated Voltage range	33÷45 VDC	33÷45 VDC	33÷45 VDC
Frequency	47 ÷ 63 Hz	47 ÷ 63 Hz	47 ÷ 63 Hz
Internal Fuse (not exchangeable)	No	No	No
External Fuse	Fast 4 A	Fast 6 A	Fast 6 A

Output Data

Output Voltage (In)	24 VDC / 3 A ±2%	24 VDC / 5 A ±2%	24 VDC / 7 A ±2%
Linearity	0÷3 A ± 0.25%	0÷5 A ± 0.25%	0÷5 A ± 0.25%
Adjustment range (V_{adj})	No	No	No
Switching on delay applying mains voltage	≤ 100 msec	≤ 100 msec	≤ 100 msec
Start up with capacitive load	30.000μF–1.5 A	30.000μF–2 A	30.000μF–2 A
Nom. Current	3 A	5 A	7 A
Continuous running	3 A	3.5 A	5.5 A
Max. Current	1.05 x I_n ± 7%	1.05 x I_n ± 7%	1.05 x I_n ± 7%
Residual Ripple	≤ 60 mVpp	≤ 60 mVpp	≤ 60 mVpp
Minimum Load	No	No	No
Efficiency / Rendimento tipico (at 50% In)	≥ 88 %	≥ 88 %	≥ 88 %
Short-circuit protection	Yes	Yes	Yes
Over Load protection	Yes	Yes	Yes
Over Voltage Output protection	No	No	No
Parallel connection	No	No	No

Climatic Data

Ambient Temperature (operation)	0 ÷ 50 °C	0 ÷ 50 °C	0 ÷ 50 °C
Ambient Temperature (Storage)	-25÷ + 85 °C	-25÷ + 85 °C	-25÷ + 85 °C
Humidity; no moisture condensation	95 % at +25°C	95 % at +25°C	95 % at +25°C

General Data

Degree of protection	IP 20	IP 20	IP 20
Protection class	I, with PE connected	I, with PE connected	I, with PE connected
Dimension (w-h-d)	50x95x61	50x95x61	70x95x61
Weight	0.20 kg	0.20 kg	0.35 kg

Norms and certifications

In according to EMC 89/336/EEC and Low voltage 93/68/EEC

Immunity in according with EN50082-2 Level 4 Class B

Noise Radiation In according with EN 55011 Class A

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All specifications are subject to change without notice
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