

78 Series Switch Mode Power Supplies



Evolution made simple! Switch Mode Power Supplies Types 78.1A and 78.2A

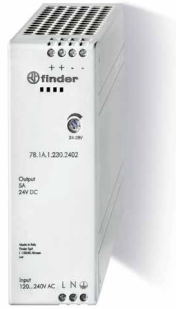
New entry-level switch mode power supply range with enhanced output power – up to +20% without time limit. These power supplies incorporate thermal, short circuit and overvoltage protection, safeguarding them against system and installation faults.

Types 78.1A and 78.2A can be connected in parallel to facilitate a power supply system with redundancy.

- Enhanced output power – up to +20% without time limit
- Ambient temperature from -20° C to + 60° C (according to type)
- Wider input voltage range: 95...130 V AC or 120...250 V AC (according to type)

Approvals (according to type)



78.1A.1.230.2402

78.2A.1.230.2402


		78.1A.1.230.2402	78.2A.1.230.2402
		Fine output voltage adjustment (24...28 V DC) 120 W rated power, and 140 W output power (@40°C) without time limit	Fine output voltage adjustment (24...28 V DC) 120 W rated power and 260 W output power (@30°C without time limit)
Output current (-20...+50 °C, 230 V AC input)	A	6.0 (@40°C)	11 (@30°C)/10 (@40°C)
Output current (-20...+50 °C, 120 V AC input)	A	4.5 (@40°C)	9 (@40°C)
Rated voltage	V	24	24
Rated power	W	120 (@40°C)	240 (@40°C)
Output power (-20...+40 °C, input 230 V AC)	W	140	260
Peak current capability for 5 ms	A	10	25
Nominal voltage (U _N)	V AC (50/60 Hz)	120...240	110...230
Operating range	V AC (50/60 Hz)	120...250	95...130 or 185...250
Stand-by power consumption	W	< 1.9	< 2.6
Efficiency (@ 230 V AC)	%	92	94
Dimensions (w x h x d)	mm	42.5 x 126 x 129.3	42.5 x 126 x 129.3

Type 78.1B.1.230.2403

Replaceable fuse + output voltage adjustment

Type 78.1D.1.230.2414 and 78.2E.1.230.2414

Replaceable fuse + output voltage adjustment + positive contact logic

Type 78.1D.1.230.2415 and 78.2E.1.230.2415

Replaceable fuse + output voltage adjustment + pre-alert alarm

78.1B.1.230.2403

**78.1D.1.230.2414
78.1D.1.230.2415**

**78.2E.1.230.2414
78.2E.1.230.2415**


		78.1B.1.230.2403	78.1D.1.230.2414 78.1D.1.230.2415	78.2E.1.230.2414 78.2E.1.230.2415
		24 V DC, 110 W output Output adjustable between 24...28 V Compact size	24 V DC, 130 W output Output adjustable between 24...28 V Fold-back overload characteristics for battery charging applications and parallel working for increased load current	24 V DC, 240 W output Output adjustable between 24...28 V Power factor 0.995 Boost current without time limit
Output current (-20...+50 °C, 230 V AC input)	A	5.0 (@40 °C)	5.4 (@50 °C)	12.5 (@30°C)/10 (@40°C)
Output current (-20...+50 °C, 120 V AC input)	A	4.5 (@40 °C)	5.4 (@50 °C)	10 (@40°C)
Rated voltage	V	24	24	24
Rated power	W	110 (@40°C)	130 (@50 °C)	240 (@40°C)
Output power (-20...+40 °C, input 230 V AC)	W	120	130	300 (@30°C)
Peak current capability for 5 ms	A	10	10	25
Nominal voltage (U _N)	V AC (50/60 Hz)	120...240	110...240	110...240
	V DC	220	110...240	110...240
Operating range	V AC (50/60 Hz)	100...265	88...265	88...265
	V DC	140...275 (non-polarised)	95...275 (non-polarised)	95...275 (non-polarised)
Efficiency (@ 230 V AC)	%	93	89	80
Double stage with active Power Factor Correction		—	YES	YES
Dimensions (w x h x d)	mm	40 x 130 x 104	40 x 130 x 130	60 x 130 x 130 mm