

78
SERIES

REPORT

Type 78.2E

**Industrial Switch
Mode Power Supplies**

New switch mode, dual stage, high efficiency power supplies for electrical and electronic applications. Adjustable output voltage with overload and short circuit protection.

Addresses the need for low voltage power within industrial automation systems, control and measurement systems, and LED lighting.

new



Type 78.2E
10 A, 24 V DC output

Front panel replaceable fuse for Input protection



Thermal protection with LED status indication






Auxiliary contact indication



CE



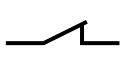


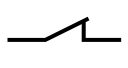


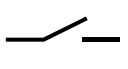


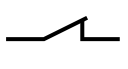


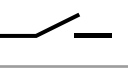
cULus
According to type

| Type | 78.1C.1.230.2404 78.1C.1.230.2405 | 78.1D.1.230.2414 78.1D.1.230.2415 | 78.2E.1.230.2414 78.2E.1.230.2415 |
|--|---|--|---|
| Features |  |  |  |
| | - Low stand-by power - Boost current: without time limit - Ambient temperature range: -20...+70°C | - High efficiency 90% - Suitable for battery charging | - Suitable for battery charging - Power factor: 0.998 |
| Rated Output Voltage | 24V DC | 24V DC | 24V DC |
| Output Voltage Adjust | 24...28 V | 24...28 V | 24...28 V |
| Rated Output Current | 5 A | 5.4 A | 10 A |
| Rated Output Power | 120W | 130W | 240W |
| Input voltage range | 110...265 V AC 155...275 V DC (polarised) | 88...265 V AC 95...275 V DC (non-polarised) | 88...265 V AC 90...275 V DC (non-polarised) |
| Dual stage with active Power Factor Corrector | — | YES | YES |
| Dimensions (w x h x d) | 40 x 130 x 130 mm | 40 x 130 x 130 mm | 60 x 130 x 130 mm |

**Auxiliary contact switching mode:
Type 78.xx.x.xxx.24x4 ("positive logic")**

The NO contact closes when power is applied to the unit and remains closed unless there is a serious fault preventing the power supply unit from delivering output current. (Such as a broken fuse, power supply failure, short-circuit or thermal protection.)

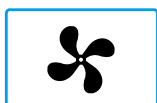
This version is suitable, for example, for signalling to a remote PLC all those alarms representing a service interruption of the power supply output.



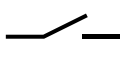


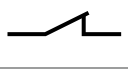


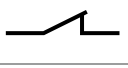





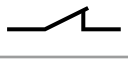
| State | LED | Contact 13-14 |
|---|--|---|
| OK | DC OK  ALARM  OFF |  |
| Overload <i>for 78.1C and 78.1D only</i> | DC OK  ALARM  OFF |  |
| Short circuit | DC OK  ALARM  OFF |  |
| Thermal limit | DC OK  ALARM  OFF |  |
| Thermal protection | DC OK  ALARM  OFF |  |

**Auxiliary contact switching mode:
Type 78.xx.x.xxx.24x5**

The NO contact closes when an anomaly happens (Overload, short circuit, thermal limit, thermal protection).

This version is suitable, for example, for activating visual or audible alarms, or to activate a cooling fan.



| State | LED | Contact 13-14 |
|---|--|---|
| OK | DC OK  ALARM  OFF |  |
| Overload <i>for 78.1C and 78.1D only</i> | DC OK  ALARM  OFF |  |
| Short circuit | DC OK  ALARM  OFF |  |
| Thermal limit | DC OK  ALARM  OFF |  |
| Thermal protection | DC OK  ALARM  OFF |  |