

|                                     |                       |     |      |                           |
|-------------------------------------|-----------------------|-----|------|---------------------------|
| Product designation                 |                       |     |      | Switching power supplies  |
| Product type designation            |                       |     |      | PSL3                      |
| <b>Input characteristics</b>        |                       |     |      |                           |
| Input type                          |                       |     |      | Three phase               |
| Rated supply voltage AC             | VAC                   |     |      | Multivoltage<br>400...500 |
| Operating range                     | AC                    | min | VAC  | 340                       |
|                                     |                       | Max | VAC  | 575                       |
|                                     | DC                    | min | VDC  | 480                       |
|                                     |                       | Max | VDC  | 820                       |
| Rated frequency                     | Hz                    |     |      | 50/60                     |
| Operational frequency               |                       | min | Hz   | 47                        |
|                                     |                       | max | Hz   | 63                        |
| Current consumption Max             | mA                    |     |      | 1400                      |
| PFC                                 |                       |     |      | 0.65                      |
| Insulation voltage Input/Output     | AC                    | VAC | 3000 |                           |
|                                     | DC                    | VAC | 4242 |                           |
| Internal fuse (250VAC)              |                       |     |      | T3 15A 500VAC             |
| <b>Output characteristics</b>       |                       |     |      |                           |
| Rated output voltage DC             | VDC                   |     |      | 24                        |
| Voltage trimming (potentiometer) DC | min                   | VDC | 22.5 |                           |
|                                     | Max                   | VDC | 28.5 |                           |
| Rated output current                | A                     |     |      | 20                        |
| Rated output power                  | W                     |     |      | 480                       |
| Temperature coefficient             | %/°C                  |     |      | ±0.03                     |
| Line adjustment                     | %                     |     |      | ±1                        |
| Load adjustment                     | %                     |     |      | ±1                        |
| Efficiency                          | %                     |     |      | 90                        |
| Overload protection                 |                       |     |      | 110...135%                |
| Short-circuit protection            |                       |     |      | Fold forward              |
| Ripple & noise                      | mV                    |     |      | 100                       |
| Parallel connection                 | Nr.                   |     |      | 2                         |
| <b>Indications</b>                  |                       |     |      |                           |
| LED indicator for power on          |                       |     |      | Yes                       |
| LED indicator for low voltage       |                       |     |      | Yes                       |
| Power Rdy (Ready - minimum limit)   |                       |     |      | Yes                       |
| <b>Connections</b>                  |                       |     |      |                           |
| Terminals type                      |                       |     |      | Screw                     |
| <b>Ambient conditions</b>           |                       |     |      |                           |
| Temperature                         | Operating temperature | min | °C   | -30                       |
|                                     |                       | max | °C   | +71                       |
|                                     | Storage temperature   | min | °C   | -40                       |
|                                     |                       | max | °C   | +85                       |

|                                      |      |                            |
|--------------------------------------|------|----------------------------|
| Derating                             | %/°C | 2.5%/°C above 60°C         |
| <b>Housing</b>                       |      |                            |
| Material                             |      | Metal                      |
| IEC degree of protection             |      | IP20                       |
| Dimensions (W x H x D)               | mm   | 150 x 124 x 118.8          |
| Weight                               | g    | 1995                       |
| <b>Installations</b>                 |      |                            |
| Mounting                             |      | On 35mm DIN rail           |
| <b>Dimensions</b>                    |      |                            |
| <b>Wiring diagrams</b>               |      |                            |
| <b>Certifications and compliance</b> |      |                            |
| Compliance                           |      | CSA C22.2 n°14             |
|                                      |      | IEC/EN/BS 61000-6-2        |
|                                      |      | IEC/EN/BS 61000-6-3        |
|                                      |      | IEC/EN/BS 62368-1          |
|                                      |      | UL 508                     |
| Certificates                         |      | cULus                      |
|                                      |      | EAC                        |
|                                      |      | RCM                        |
| <b>ETIM classification</b>           |      |                            |
| ETIM 8.0                             |      | EC002540 - DC-power supply |