



| Product designation         Switching power supplies supplie                           |                                       |     |     | DATE:           |
|---|---------------------------------------|-----|-----|-----------------|
| Product type designation   PSLIT     Input characteristics     Input type   Single-phase     Rated supply voltage AC   VAC     Input type   Max   VAC |                                       |     |     | Switching power |
| Product type designation   mout characteristics     Input type  | Product designation                   |     |     |                 |
| Input type  | Product type designation              |     |     |                 |
| Rated supply voltage AC         VAC         Multivoltage 100240           AC         min VAC 90 Max VAC 264           DC           min VDC 120 Max VDC 375           Rated frequency         In Hz 47 Max Hz 63           Current consumption Max         min Hz 47 Max Hz 63           Current consumption Max Insulation voltage Input/Output         AC VAC 30000 Max 4242           Internal fuse (250VAC)         T 2A 250VAC           Output characteristics           Rated output voltage DC         VDC 24           Voltage trimming (potentiometer) DC         min VDC 21.6 Max VDC 28.8           Rated output voltage DC         VD 28.8           Voltage trimming (potentiometer) DC         Interpretature coefficient         Max VDC 28.8           Rated output power         W 18           Temperature coefficient         Max VDC 28.8         Rated output power         W 18           Efficiency         % 2         42           Efficiency         % 2         4         10 <td></td> <td></td> <td></td> <td></td>   |                                       |     |     |                 |
| AC  | Input type                            |     |     | Single-phase    |
| AC  | Rated supply voltage AC               |     | VAC |                 |
| Max   | Operating range                       |     |     |                 |
| Max   | AC                                    |     |     |                 |
| DC  |                                       | min | VAC | 90              |
| Rated frequency         min Max         VDC   |                                       | Max | VAC | 264             |
| Rated frequency         Max         VDC         375           Operational frequency         min         Hz         50/60           min         Hz         47           max         Hz         63           Current consumption Max         mA         500           Insulation voltage Input/Output         AC         VAC         3000           DC         VAC         4242           Internal fuse (250VAC)         T2A 250VAC           Output characteristics           Rated output voltage DC         VDC         24           Voltage trimming (potentiometer) DC         min         VDC         21.6           Max         VDC         21.6         Max           VDC         28.8         Rated output current         A         0.75           Rated output power         W         18         Temperature coefficient         %/°C         ±0.03           Line adjustment         %/°C         ±0.03         ±0.03         ±0.03           Line adjustment         %         ±1         ±0.03         ±0.03         ±0.03         ±0.03         ±0.03         ±0.03         ±0.03         ±0.03         <   | DC                                    |     |     |                 |
| Rated frequency         Hz         50/60           Operational frequency         min         Hz         47           max         Hz         63           Current consumption Max         mA         500           Insulation voltage Input/Output         AC         VAC         3000           DC         VAC         4242           Internal fuse (250VAC)         T2A 250VAC           Output characteristics         T2A 250VAC           Rated output voltage DC         VDC         24           Voltage trimming (potentiometer) DC         min         VDC         24           Rated output current         A         0.75         28.8           Rated output power         W         18         18           Temperature coefficient         %"C         20.03         20.03           Line adjustment         %         ±1         20.03 <t< td=""><td></td><td>min</td><td>VDC</td><td>120</td></t<>   |                                       | min | VDC | 120             |
| Operational frequency         min max max         Hz max         47 max         Hz max         47 max         Hz max         47 max         47 max         42 max         500           Current consumption Max         mA 500         500 <td< td=""><td></td><td>Max</td><td>VDC</td><td>375</td></td<>   |                                       | Max | VDC | 375             |
| Current consumption Max         Hz         47 max         Hz         63           Current consumption Max         mA         500           Insulation voltage Input/Output         AC         VAC         3000 pc           AC         VAC         4242           Internal fuse (250VAC)         T2A 250VAC         T2A 250VAC           Output characteristics         VDC         24           Rated output voltage DC         VDC         24           Voltage trimming (potentiometer) DC         min         VDC         21.6 max           Max         VDC         28.8           Rated output current         A         0.75           Rated output power         W         18           Temperature coefficient         %/°C         ±0.03           Line adjustment         %         ±1           Load adjustment         %         ±2           Efficency         %         77           Overload protection         Hiccup           Short-circuit protection         mV         50           Short-circuit protection         mV         50           Parallel connection         Nr. No           Internal fuse (250VAC)         Nr. No           Internal fuse   | Rated frequency                       |     | Hz  | 50/60           |
| Current consumption Max         max         Hz         63           Current consumption Max         mA         500           Insulation voltage Input/Output  | Operational frequency                 |     |     |                 |
| Current consumption Max         mA         500           Insulation voltage Input/Output         AC         VAC         3000 DC           AC         VAC         3000 DC         VAC         4242           Internal fuse (250VAC)         T2A 250VAC         T2A 250VAC           Output characteristics         VDC         24           Rated output voltage DC         VDC         24           Voltage trimming (potentiometer) DC         min         VDC         21.6 Max           Rated output current         A         0.75         28.8           Rated output power         W         18         18           Temperature coefficient         % '*C         ±0.03         ±0.03           Line adjustment         %         ±1         ±0.03         ±1           Load adjustment         %         ±2         Efficency         %         ±2           Efficency         %         77         Overload protection         110140%         Short-circuit protection         Hiccup           Ripple & noise         mV         50         Parallel connection         Nr. No           Indications         Ves         Power Rdy (Ready - minimum limit)         No           Connections         Teminals type  |                                       | min |     |                 |
| Insulation voltage Input/Output         AC VAC A240 A242         3000 DC VAC A242         4242         Text 250VAC         AC A242 A242         AC A242 A242 A242         AC A242 A242 A242 A242         AC A242 A242 A242 A242 A242         AC A242 A242 A242 A242 A242 A242 A242 A2   |                                       | max | Hz  | 63              |
| AC VAC VAC VAC VAC VAC VAC VAC VAC VAC V  | · · · · · · · · · · · · · · · · · · · |     | mΑ  | 500             |
| DC   VAC   4242   Internal fuse (250VAC)  | Insulation voltage Input/Output       |     |     |                 |
| Internal fuse (250VAC)  |                                       |     |     |                 |
| Output characteristics         Rated output voltage DC         VDC         24           Voltage trimming (potentiometer) DC         min VDC 21.6 Max VDC 28.8           Rated output current         A 0.75           Rated output power         W 18           Temperature coefficient         %° C ±0.03           Line adjustment         % ±1           Load adjustment         % ±2           Efficency         % 77           Overload protection         110140%           Short-circuit protection         Hiccup           Ripple & noise         mV 50           Parallel connection         Nr. No           Indications         LED indicator for power on         Yes           LED indicator for low voltage         Yes           Power Rdy (Ready - minimum limit)         No           Connections         Screw   |                                       | DC  | VAC |                 |
| Rated output voltage DC         VDC         24           Voltage trimming (potentiometer) DC         min         VDC         21.6           Max         VDC         28.8           Rated output current         A         0.75           Rated output power         W         18           Temperature coefficient         %/°C         ±0.03           Line adjustment         %         ±1           Load adjustment         %         ±2           Efficiency         %         77           Overload protection         110140%           Short-circuit protection         Hiccup           Ripple & noise         mV         50           Parallel connection         Nr.         No           Indications         LED indicator for power on         Yes           LED indicator for low voltage         Yes           Power Rdy (Ready - minimum limit)         No           Connections         Screw   |                                       |     |     | T2A 250VAC      |
| Voltage trimming (potentiometer) DC         min Max         VDC   | •                                     |     |     |                 |
| Rated output current         A 0.75           Rated output power         W 18           Temperature coefficient         %°C ±0.03           Line adjustment         % ±1           Load adjustment         % ±2           Efficency         % 77           Overload protection         110140%           Short-circuit protection         Hiccup           Ripple & noise         mV 50           Parallel connection         Nr. No           Indications         LED indicator for power on         Yes           LED indicator for low voltage         Yes           Power Rdy (Ready - minimum limit)         No           Connections         Screw  | · · · ·                               |     | VDC | 24              |
| Rated output current         A         0.75           Rated output power         W         18           Temperature coefficient         %/°C         ±0.03           Line adjustment         %         ±1           Load adjustment         %         ±2           Efficency         %         77           Overload protection         110140%           Short-circuit protection         Hiccup           Ripple & noise         mV         50           Parallel connection         Nr.         No           Indications         LED indicator for power on         Yes           LED indicator for low voltage         Yes           Power Rdy (Ready - minimum limit)         No           Connections         Screw   | Voltage trimming (potentiometer) DC   |     |     |                 |
| Rated output current         A 0.75           Rated output power         W 18           Temperature coefficient         %/°C ±0.03           Line adjustment         % ±1           Load adjustment         % 77           Overload protection         110140%           Short-circuit protection         Hiccup           Ripple & noise         mV 50           Parallel connection         Nr. No           Indications         LED indicator for power on         Yes           LED indicator for low voltage         Yes           Power Rdy (Ready - minimum limit)         No           Connections         Screw  |                                       |     |     |                 |
| Rated output power         W         18           Temperature coefficient         %/°C         ±0.03           Line adjustment         %         ±1           Load adjustment         %         ±2           Efficency         %         77           Overload protection         110140%           Short-circuit protection         Hiccup           Ripple & noise         mV         50           Parallel connection         Nr.         No           Indications         LED indicator for power on         Yes           LED indicator for low voltage         Yes           Power Rdy (Ready - minimum limit)         No           Connections         Screw   |                                       | Max |     |                 |
| Temperature coefficient         %/°C         ±0.03           Line adjustment         %         ±1           Load adjustment         %         ±2           Efficency         %         77           Overload protection         110140%           Short-circuit protection         Hiccup           Ripple & noise         mV         50           Parallel connection         Nr.         No           Indications         LED indicator for power on         Yes           LED indicator for low voltage         Yes           Power Rdy (Ready - minimum limit)         No           Connections         Screw   |                                       |     |     |                 |
| Line adjustment%±1Load adjustment%±2Efficency%77Overload protection110140%Short-circuit protectionHiccupRipple & noisemV50Parallel connectionNr. NoIndicationsLED indicator for power onYesLED indicator for low voltageYesPower Rdy (Ready - minimum limit)NoConnectionsScrew  |                                       |     |     |                 |
| Load adjustment % ±2  Efficency % 77  Overload protection 110140%  Short-circuit protection Hiccup  Ripple & noise mV 50  Parallel connection Nr. No  Indications  LED indicator for power on Yes  LED indicator for low voltage Yes  Power Rdy (Ready - minimum limit) No  Connections  Terminals type Screw   | ·                                     |     |     |                 |
| Efficency         %         77           Overload protection         110140%           Short-circuit protection         Hiccup           Ripple & noise         mV         50           Parallel connection         Nr.         No           Indications         LED indicator for power on         Yes           LED indicator for low voltage         Yes           Power Rdy (Ready - minimum limit)         No           Connections         Screw  | ·                                     |     |     |                 |
| Overload protection110140%Short-circuit protectionHiccupRipple & noisemV 50Parallel connectionNr. NoIndicationsLED indicator for power onYesLED indicator for low voltageYesPower Rdy (Ready - minimum limit)NoConnectionsScrew   |                                       |     |     |                 |
| Short-circuit protection  Ripple & noise  Parallel connection  Nr. No  Indications  LED indicator for power on  LED indicator for low voltage  Power Rdy (Ready - minimum limit)  Connections  Terminals type  Hiccup  mV 50  Yes  Yes  No  Serew   | ·                                     |     | %   |                 |
| Ripple & noise mV 50 Parallel connection Nr. No Indications LED indicator for power on Yes LED indicator for low voltage Yes Power Rdy (Ready - minimum limit) No Connections Terminals type Screw  | ·                                     |     |     |                 |
| Parallel connection Nr. No Indications  LED indicator for power on Yes  LED indicator for low voltage Yes  Power Rdy (Ready - minimum limit) No  Connections  Terminals type Screw  | <u> </u>                              |     |     |                 |
| IndicationsLED indicator for power onYesLED indicator for low voltageYesPower Rdy (Ready - minimum limit)NoConnectionsScrew   | • • •                                 |     |     |                 |
| LED indicator for power on Yes LED indicator for low voltage Yes Power Rdy (Ready - minimum limit) No Connections Terminals type Screw  |                                       |     | Nr. | No              |
| LED indicator for low voltage  Power Rdy (Ready - minimum limit)  Connections  Terminals type  Yes  No  Screw   |                                       |     |     | \ <u>'</u>      |
| Power Rdy (Ready - minimum limit)  Connections  Terminals type  No  Screw   | •                                     |     |     |                 |
| Connections Terminals type Screw  |                                       |     |     |                 |
| Terminals type Screw  |                                       |     |     | No              |
|   |                                       |     |     |                 |
| Ambient conditions  |                                       |     |     | Screw           |
|   | Ambient conditions                    |     |     |                 |

**ENERGY AND AUTOMATION** 

## ALIMENTATION À DÉCOUPAGE MONOPHASE, FIXATION SUR DIN 100-240VAC/24VDC 18W

## Temperature

| Operating | temperature |
|-----------|-------------|
|-----------|-------------|

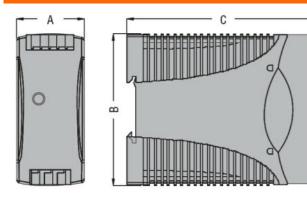
|                     | min | °C | -20          |
|---------------------|-----|----|--------------|
|                     | max | °C | +71          |
| Storage temperature |     |    |              |
|                     | min | °C | -25          |
|                     | max | °C | +85          |
|                     |     |    | 0.50/./90 -1 |

Derating %/°C  $\frac{2.5\%}{60}$ °C above  $\frac{60}{10}$ °C

| Housing                  |    |                 |
|--------------------------|----|-----------------|
| Material                 |    | Plastic         |
| IEC degree of protection |    | IP20            |
| Dimensions (W x H x D)   | mm | 22.5 x 90 x 115 |
| Weight Installations     | g  | 226             |
| Installations            |    |                 |

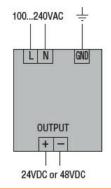
Mounting On 35mm DIN

#### **Dimensions**



| TYPE        | Α            | В          | С           |
|-------------|--------------|------------|-------------|
| PSL1 005 24 | 22.5 (0.88") | 90 (3.54") | 115 (4.53") |
| PSL1 010 24 | 22.5 (0.88") | 90 (3.54") | 115 (4.53") |
| PSL1 018 24 | 22.5 (0.88") | 90 (3.54") | 115 (4.53") |
| PSL1 030    | 40.5 (1.59") | 90 (3.54") | 115 (4.53") |
| PSL1 060    | 40.5 (1.59") | 90 (3.54") | 115 (4.53") |
| PSL1 100    | 54 (2.12")   | 90 (3.54") | 115 (4.53") |
| PSL2 100    | 54 (2.12")   | 90 (3.54") | 115 (4.53") |
| PSLR 20 24  | 54 (2.12")   | 90 (3.54") | 115 (4.53") |

# Wiring diagrams



## Certifications and compliance

## Compliance

| CSA C22.2 n°14     |  |
|--------------------|--|
| EC/EN/BS 61000-6-2 |  |
| EC/EN/BS 61000-6-3 |  |
| EC/EN/BS 62368-1   |  |
| JL 508             |  |

## Certificates

| cULus |   |  |  |  |
|-------|---|--|--|--|
| EAC   | _ |  |  |  |
| RCM   |   |  |  |  |

# ETIM classification





ALIMENTATION À DÉCOUPAGE MONOPHASE, FIXATION SUR DIN 100-240VAC/24VDC 18W

ETIM 8.0

EC002540 - DCpower supply