

# Product data sheet

Specifications



## Light expansion module, SpaceLogic RP Expansion Modules, DALI, power distribution

SXWREDAMPD10001

### Main

|                           |                                                       |
|---------------------------|-------------------------------------------------------|
| Range                     | EcoStruxure Building Operation                        |
| Product name              | SmartX Room Purpose Controller                        |
| Device short name         | RP-C-EXT-DALI-M-PD                                    |
| Product brand             | Schneider Electric                                    |
| Product or component type | Expansion unit                                        |
| [Us] rated supply voltage | 230 V AC                                              |
| Discrete input number     | 4, dry contact                                        |
| Discrete output number    | 4 lamp                                                |
| Discrete output voltage   | 0...10 V for lamp<br>230 V AC for power supply output |
| Discrete output current   | 64 mA for lamp (DA+, DA-)<br>5 A for per output (L-N) |

### Complementary

|                                   |                                              |
|-----------------------------------|----------------------------------------------|
| Supply voltage limits             | 253 V                                        |
| Network frequency                 | 50 Hz<br>60 Hz                               |
| Power supply input current        | 2.2 mA at 5 V                                |
| Input type                        | Digital                                      |
| Range compatibility               | EcoStruxure Building Operation software      |
| Maximum current per output common | 250 mA at DA+, DA-<br>10 A at L-N            |
| Protection type                   | External fuse at 16 A                        |
| Processor name                    | ARM Cortex-M4                                |
| Memory description                | Flash 1024 kB<br>Internal RAM 320 kB         |
| Data backed up                    | 16 MB flash memory                           |
| Function available                | Light control<br>DALI bus terminal           |
| Control type                      | ADDRESS, range: 0...9 with rotary switch(es) |
| Supply                            | Mains, <10 A                                 |
| Communication port protocol       | Ethernet Modbus TCP/IP daisy chain<br>RS485  |

|                       |                                                                                                                                                     |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Port Ethernet         | 10/100BASE-T 2 port RJ45                                                                                                                            |
| Local signalling      | LED (green/red) for status indication<br>LED (green) for output relay state                                                                         |
| Electrical connection | 2-pin terminal block, 4 terminal(s) input circuit<br>5-pin terminal block, 4 terminal(s) output<br>3-pin terminal block, 1 terminal(s) power supply |
| Measurement range     | 1...3000 W                                                                                                                                          |
| Measurement accuracy  | 1 %                                                                                                                                                 |
| Mounting support      | DIN rail<br>surface mount                                                                                                                           |
| Colour                | Black                                                                                                                                               |
| Height                | 110 mm                                                                                                                                              |
| Depth                 | 64 mm                                                                                                                                               |
| Width                 | 198 mm                                                                                                                                              |
| Net weight            | 433 g                                                                                                                                               |

## Environment

|                                       |                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standards                             | EN 60730-1<br>EN 60730-2-11<br>EN 50491-3<br>EN 50491-5-3<br>EN 61000-6-2<br>EN 62386-101:2014<br>EN 62386-101:2018/A1<br>IEC/EN 62386-103:2014<br>IEC/EN 62386-103:2018/A1                                                                                                                                                |
| Product certifications                | RCM                                                                                                                                                                                                                                                                                                                        |
| Electromagnetic compatibility         | Electromagnetic emission conforming to EN 61000-6-3<br>Electromagnetic emission conforming to EN 50491-5-2<br>Electromagnetic emission class B conforming to FCC part 15 subpart B<br>Immunity to electromagnetic emissions conforming to EN 50491-5-3<br>Immunity to electromagnetic emissions conforming to EN 61000-6-2 |
| Ambient air temperature for operation | 0...50 °C                                                                                                                                                                                                                                                                                                                  |
| Ambient air temperature for storage   | -20...70 °C                                                                                                                                                                                                                                                                                                                |
| Relative humidity                     | 20...90 %, non-condensing                                                                                                                                                                                                                                                                                                  |
| IP degree of protection               | IP20                                                                                                                                                                                                                                                                                                                       |
| Pollution degree                      | 2                                                                                                                                                                                                                                                                                                                          |
| Flame retardance                      | UL94-V0                                                                                                                                                                                                                                                                                                                    |
| Overvoltage category                  | III                                                                                                                                                                                                                                                                                                                        |

## Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type of Package 1       | PCE     |
| Number of Units in Package 1 | 1       |
| Package 1 Height             | 21.2 cm |
| Package 1 Width              | 7.0 cm  |
| Package 1 Length             | 13.5 cm |
| Package 1 Weight             | 483.0 g |
| Unit Type of Package 2       | S03     |
| Number of Units in Package 2 | 10      |
| Package 2 Height             | 30.0 cm |
| Package 2 Width              | 30.0 cm |

|                              |           |
|------------------------------|-----------|
| Package 2 Length             | 40.0 cm   |
| Package 2 Weight             | 5.271 kg  |
| Unit Type of Package 3       | P06       |
| Number of Units in Package 3 | 80        |
| Package 3 Height             | 75.0 cm   |
| Package 3 Width              | 60.0 cm   |
| Package 3 Length             | 80.0 cm   |
| Package 3 Weight             | 50.668 kg |

Offer Sustainability

|                             |                                                                                                                             |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status    | Green Premium product                                                                                                       |
| REACH Regulation            | <a href="#">REACH Declaration</a>                                                                                           |
| EU RoHS Directive           | Compliant<br><a href="#">EU RoHS Declaration</a>                                                                            |
| Mercury free                | Yes                                                                                                                         |
| China RoHS Regulation       | <a href="#">China RoHS declaration</a>                                                                                      |
| RoHS exemption information  | <a href="#">Yes</a>                                                                                                         |
| Environmental Disclosure    | <a href="#">Product Environmental Profile</a>                                                                               |
| Circularity Profile         | <a href="#">End of Life Information</a>                                                                                     |
| WEEE                        | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| Halogen content performance | Halogen free plastic parts product                                                                                          |

Recommended replacement(s)