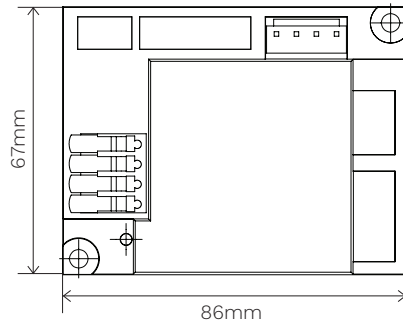


IzyHub is a luminaire electrical connection hub with built-in surge protection. The hub allows easy connection to the end user mains network with no additional tools required.

Failure proof quick connectors ensure easy upgradeability and component replacement without the risk of misconnection and also reducing servicing time.

It also features a built in Type 2+3 surge protector with visible end-of-life indicator for protection of connected equipment from surges up to 10kV. Suitable for Class I and Class II installations.



## General Technical Data

| SPECIFICATION                                 | VALUES  |
|---|---|
| Operating voltage range                       | 240V 50/60Hz  |
| Rated current                                 | 4A  |
| Degree of protection                          | IP20  |
| Housing material                              | Glass filled PBT  |
| Operating temperature range                   | -40°C to +70°C  |
| Storage temperature range                     | -40°C to +85°C  |
| Maximum case temperature (T <sub>case</sub> ) | 80°C  |
| End-of-life indication                        | Optical   |
| Dynamic thermal disconnection                 | Yes for SPD only – no load disconnection                      |
| Certifications                                | CE, KEMA - KEUR according to: IEC 61347-2-11 and IEC 61643-11 |

## SPD Electrical data

| SPECIFICATION  | UNITS                 | VALUES                          |
|--|-----------------------|---------------------------------|
| Designation acc. EN61643-11  |                       | Type 2+3                        |
| Designation acc. IEC61643-11   |                       | Class II - Class III            |
| Protection mode  |                       | Differential & Common mode      |
| Network configuration  |                       | TN (TN-C, TN-C-S, TN-S), TT, IT |
| Nominal input voltage (L-N)  | U <sub>N</sub> [V]    | 240V 50/60Hz                    |
| Max. continuous operating voltage (L-N)  | U <sub>c</sub> [V]    | 275V 50/60Hz                    |
| Max. continuous operating voltage (L-GND)  | U <sub>c</sub> [V]    | 275V 50/60Hz                    |
| Max. continuous operating voltage (N-GND)  | U <sub>c</sub> [V]    | 275V 50/60Hz                    |
| Temporary overvoltage TOV - HV-system fault: 1200V+255V at tt=200ms – TT and IT power grid   | U <sub>T</sub> [V]    | 1455                            |
| Temporary overvoltage TOV – LV-system fault: 255Vx1.32 at tt=5s – TN, TT and IT power grid   | U <sub>T</sub> [V]    | 337                             |
| Temporary overvoltage TOV – LV-system fault: 255Vx√3 at tt=120min – TN, TT and IT power grid | U <sub>T</sub> [V]    | 442                             |
| Nominal discharge current (L-N) (8/20μS)   | I <sub>N</sub> [kA]   | 5                               |
| Nominal discharge current (L-GND) (8/20μS)   | I <sub>N</sub> [kA]   | 5                               |
| Nominal discharge current (N-GND) (8/20μS)   | I <sub>N</sub> [kA]   | 5                               |
| Max. discharge current (8/20μS)  | I <sub>MAX</sub> [kA] | 10                              |
| Max. voltage protection level @I <sub>N</sub> (L-N)  | U <sub>P</sub> [kV]   | 1.3                             |
| Max. voltage protection level @I <sub>N</sub> (L-GND)  | U <sub>P</sub> [kV]   | 1.8                             |
| Max. voltage protection level @I <sub>N</sub> (N-GND)  | U <sub>P</sub> [kV]   | 1.8                             |
| Open circuit voltage   | U <sub>OC</sub> [kV]  | 10                              |
| Max. backup fuse (gG type)   | [A]                   | 20                              |
| Max. Earth leakage current @U <sub>c</sub>   | [μA]                  | 50                              |
| Isolation voltage capability   | [V]                   | 600                             |
| Insulation resistance  | [MΩ]                  | >1                              |
| Surge withstand capability @10kA   | [strike]              | 1                               |
| Surge withstand capability @5kA  | [strike]              | 15                              |

## Configuration options



| IzyHub                      | Light     | CusDim              |           | Control             | Full control        |           | Full control with fuse |           |
|-----------------------------|-----------|---------------------|-----------|---------------------|---------------------|-----------|------------------------|-----------|
| Part Number                 | 01-27-044 | 01-27-047           | 01-27-050 | 01-27-045           | 01-27-048           | 01-27-049 | 01-27-046              | 01-27-051 |
| Electrical class            | Class I   | Class I             | Class II  | Class I             | Class I             | Class II  | Class I                | Class II  |
| SPD included                | -         | ■                   | ■         | ■                   | ■                   | ■         | ■                      | ■         |
| SPD type designation        | N/A       | T2 + T3             | T2 + T3   | T2 + T3             | T2 + T3             | T2 + T3   | T2 + T3                | T2 + T3   |
| Protection mode IEC61643-11 | N/A       | L-N<br>L-PE<br>N-PE | L-N       | L-N<br>L-PE<br>N-PE | L-N<br>L-PE<br>N-PE | L-N       | L-N<br>L-PE<br>N-PE    | L-N       |

### FEATURES

|                                    |   |   |   |   |   |   |   |   |
|------------------------------------|---|---|---|---|---|---|---|---|
| ESD protection                     | - | - | ■ | - | - | ■ | - | ■ |
| Surge protection differential mode | - | ■ | ■ | ■ | - | ■ | ■ | ■ |
| Surge protection common mode       | - | ■ | - | ■ | ■ | - | ■ | - |
| Bi-Power                           | - | - | - | - | ■ | ■ | ■ | ■ |
| External dimming lines             | - | - | - | ■ | ■ | ■ | ■ | ■ |
| Power control (NEMA7)              | - | - | - | ■ | ■ | ■ | ■ | ■ |
| ELV control (24V / dimming)        | - | - | - | ■ | ■ | ■ | ■ | ■ |

### CONNECTORS

|                             |   |   |   |   |   |   |   |   |
|-----------------------------|---|---|---|---|---|---|---|---|
| 4-pin mains input           | ■ | ■ | ■ | - | - | - | - | - |
| 7-pin mains input           | - | - | - | ■ | ■ | ■ | ■ | ■ |
| 4-pin load (JST NV)         | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| 3-pin power ctrl (JST NV)   | - | - | - | ■ | ■ | ■ | ■ | ■ |
| 4-pin ELV control1 (JST XA) | - | - | - | ■ | ■ | ■ | ■ | ■ |
| 4-pin ELV control2 (JST XA) | - | - | - | ■ | ■ | ■ | ■ | ■ |
| 4-pin ELV control3 (JST XA) | - | - | - | ■ | ■ | ■ | ■ | ■ |
| 4-pin fuse (TE Power Key)   | - | - | - | - | - | - | ■ | ■ |

### INDICATORS

|                           |   |   |   |   |   |   |   |   |
|---------------------------|---|---|---|---|---|---|---|---|
| SPD LED indicator (Green) | - | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
|---------------------------|---|---|---|---|---|---|---|---|