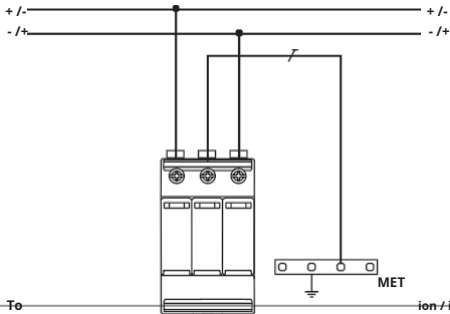


| Electrical properties / Electrical specifications / Parametry elektryczne Э характеристики / Electronic specifications                                                                             |                                                                                   |                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| UCPV                                                                                                                                                                                               | (+)-PE, (-)-PE, (+)-(-)                                                           | 1100 V                                                                                                                       |
| In (8/20)                                                                                                                                                                                          |                                                                                   | 20 kA                                                                                                                        |
| Iimp (10/350)                                                                                                                                                                                      |                                                                                   | 6.25 kA                                                                                                                      |
| Total (10/350)                                                                                                                                                                                     |                                                                                   | 12.5 kA                                                                                                                      |
| I <sub>max</sub> (8/20)                                                                                                                                                                            |                                                                                   | 40 kA                                                                                                                        |
| Total (8/20)                                                                                                                                                                                       |                                                                                   | 50 kA                                                                                                                        |
| Up                                                                                                                                                                                                 | (+)-PE, (-)-PE, (+)-(-)                                                           | 3800 V                                                                                                                       |
| Iscpv                                                                                                                                                                                              |                                                                                   | 11 kA                                                                                                                        |
| IPE (AC / DC)                                                                                                                                                                                      |                                                                                   | 0.5 mA / <10 µA                                                                                                              |
| Overload protection / SPD overload behavior mode / SPD overload protection / Защита от перегрузки SPD overload behavior mode                                                                       | Open terminals / Open circuit mode / Open circuit mode / Idle mode / Sleep mode   | Open terminals / Open circuit mode / Open circuit mode / Idle mode / Sleep mode                                              |
| Types of PV systems / Type of PV systems / Type of PV systems / Tips photoelectric systems / Type of PV systems                                                                                    | Grounded / Not grounded,<br><br>Uziemiony / nieuziemiony, Not grounded / grounded | Grounded / Not grounded, Not grounded / grounded, Grounded / not grounded, Non-earthed / заземленный / Ungrounded / grounded |
| Mechanical properties / Mechanical specifications / Parametry mechaniczne / Механические характеристики / Mechanical specification                                                                 |                                                                                   |                                                                                                                              |
| Temperature range / Temperatura pracy Рабочий диапазон температур / Temperature range                                                                                                              |                                                                                   | -40 °C...+85 °C                                                                                                              |
| Humidity range / Humidity range / Permissible humidity / Humidity range                                                                                                                            |                                                                                   | 5%...95%                                                                                                                     |
| Assembly / Montaż / Монтаж / Assembly                                                                                                                                                              |                                                                                   | 35 mm DIN rail, EN 60715                                                                                                     |
| IP protection / IP code / IP protection class / degree of protection / IP protection                                                                                                               |                                                                                   | 20 (integrated)                                                                                                              |
| Number of ports / Liczba przyłączy / Конструкция / Number of ports                                                                                                                                 |                                                                                   | 1                                                                                                                            |
| Installation location / Location / Miejsce instalacji / Установка / Location                                                                                                                       |                                                                                   | Interior / Indoors                                                                                                           |
| Category / Category / Category / категория / Category                                                                                                                                              |                                                                                   | Type 1, 2 / Class 1, 2                                                                                                       |
| Norms / Standards / Normy / стандарты                                                                                                                                                              |                                                                                   | EN 50539-11:2013+A1:2014                                                                                                     |
| Minimum distance from grounded conductive surfaces / Minimalna odległość ogranicznika od jakiegokolwiek uzziemionej, przewodzącej powierzchni / Minimum distance from grounded conductive surfaces |                                                                                   | 2 mm                                                                                                                         |
|  (impresahitig, moreahitig) Stripperlength 12.5 mm                                                            |                                                                                   | Minimum diameter 1.5 mm/ ø max. 35 mm/ ø min. 16 AWG / ø max. 2 AWG                                                          |
|  (flexible) wire stripperlength 12.5 mm                                                                       |                                                                                   | Minimum diameter 1.5 mm/ ø max. 25 mm/ ø min. 16 AWG / ø max. 4 AWG                                                          |
|  RC connector (stranded) (RM12)                                                                               |                                                                                   | Minimum diameter 0.25 mm/ ø max. 1.5 mm/ ø min. 24 AWG / ø max. 16 AWG                                                       |

Connections of surge arresters / Protection configurations / Typical connection diagrams of arresters in different network configurations / Connection diagrams / Protection configurations

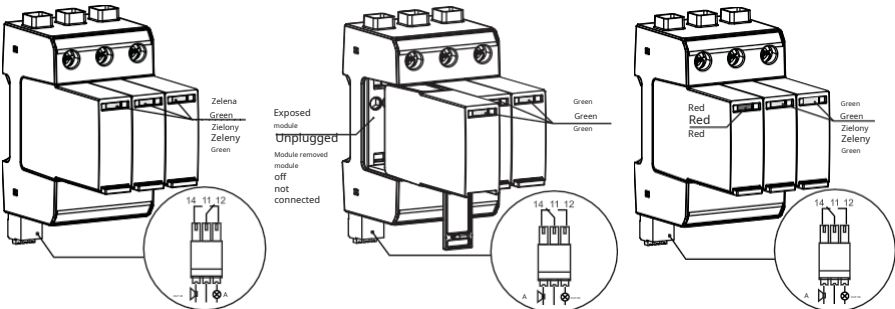


The earthing conductor of the type 1 surge protection device must have a minimum cross-section  $S_{min} = 16 \text{ mm}^2 \text{ Cu}$  (or equivalent) or have the same cross-section as the current-carrying conductor, provided that the latter is larger than  $16 \text{ mm}^2 \text{ S}$ .

Earthing conductors of type 1 SPDs must have a minimum cross-section of  $16 \text{ mm}^2$  made of copper or an equivalent material, or corresponding to the cross-section of the current-carrying terminals if this is greater than  $16 \text{ mm}^2 \text{ S}$ .

PE protective conductor  
PE protective conductor, grounding cable, protective conductor

of damage to the limiter and tightening torque of the clamping screws / connection to distance signaling / remote signaling connection

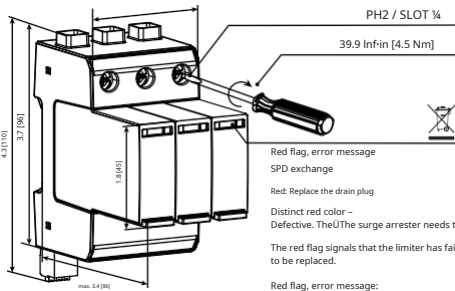


Remote signaling / RC remote signal contacts / Дистанционная сигнализация / Remote signaling

| AC          |             | DC           |              |              |
|-------------|-------------|--------------|--------------|--------------|
| 250 V / 1 A | 125 V / 1 A | 48 V / 0.5 A | 24 V / 0.5 A | 12 V / 0.5 A |

| Remote signaling status / RC contact status / Status of the remote signaling contact / RC contact status                                                                                                                                                                                     | 11-12                                                   | 11-14                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|------------------------------------------------|
| SPD module / functionalahigh<br>SPD module(s) functionalahigh / plant businessunow<br>SPD module functional / Installation is protected / RC remote signaling contacts / SPD module works / Installation is protected<br>SPD module(s) functional / Installation is protected                | Closed<br>Closed<br>Zamknjeno<br>Замкнутый<br>Completed | Open<br>Open<br>Otwarte<br>Разомкнутый<br>Open |
| SPD module not connected or not functioningahigh-voltage SPD module(s)<br>not connected or not functioning / System is unprotected / SPD module defective / System unprotected<br>SPD module not working / System is unprotected / SPD module(s)<br>not connected or not working / System is | Open<br>Open                                            | Closed                                         |

Dimensions / Dimensions / Wymiary / Габаритные размеры / Dimensions  
Display / Error Display / Error Display / Error Display / Defect Display



PH2 / SLOT ¼

39.9 Inf-in [4.5 Nm]

Red flag, error message

SPD exchange

Red: Replace the drain plug

Distinct red color - Defective. TheUThe surge arrester needs to be replaced.

The red flag signals that the limiter has failed and needs to be replaced.

Red flag, error message:

Replace SPD

Module change / Plug replace / Wymiana modulu / Замена модуля / Module exchange

