

## ICUTRONIC - DALI (AstroDIM) IP67

Constant current LED drivers



### Obszar zastosowań

- Industry lighting
- Oświetlenie ulic i przestrzeni miejskich
- Nadaje się do użytku w oprawach zewnętrznych o klasie ochronności I i II

### Korzyści ze stosowania produktu

- Versatile DALI driver due to flexible output characteristic
- Fully programmable via T4T software (DALI / AstroDIM / Constant Lumen)
- Wysoka ochrona przed przepięciem: do 10 kV
- IP rating: IP67 (Independent installation)
- High efficiency and reliability
- 5 years guarantee

### Cechy produktu

- Available with different wattage: 20 W, 40 W, 75 W, 110 W, 150 W, 200 W, 240 W
- AstroDim functionality
- DALI-2 certified (Part 251, 252, 253)
- DALI dimming (min.10%)
- Output current range 350...1050 mA
- Napięcie zasilania: 120...240 V



Karta katalogowa rodziny produktów

Dane techniczne

Dane elektryczne

| Opis produktu                | Napięcie nominalne | Napięcie wejściowe, prąd zmienny | Prąd znamionowy      | Częstotliwość sieciowa | Współczynnik mocy λ        | Całkowite zniekształcenie harmoniczne |
|------------------------------|--------------------|----------------------------------|----------------------|------------------------|----------------------------|---------------------------------------|
| IT DALI 20/120...240/1A0 P7  | 120...240 V        | 120...264 V                      | 0,11 A <sup>1)</sup> | 50/60 Hz               | 0,95 <sup>2)</sup>         | < 10 % <sup>3)</sup>                  |
| IT DALI 40/120...240/1A0 P7  | 120...240 V        | 120...264 V                      | 020 A <sup>1)</sup>  | 50/60 Hz               | 095 <sup>2)</sup>          | < 10 % <sup>3)</sup>                  |
| IT DALI 75/120...240/1A0 P7  | 120...240 V        | 120...264 V                      | 036 A <sup>1)</sup>  | 50/60 Hz               | 095 <sup>2)</sup>          | < 10 % <sup>3)</sup>                  |
| IT DALI 110/120...240/1A0 P7 | 120...240 V        | 120...264 V                      | 053 A <sup>1)</sup>  | 50/60 Hz               | 084C099 <sup>2)</sup>      | < 10 % <sup>3)</sup>                  |
| IT DALI 150/120...240/1A0 P7 | 120...240 V        | 120...264 V                      | 0,71 A <sup>1)</sup> | 50/60 Hz               | 0,86C...0,99 <sup>2)</sup> | < 10 % <sup>3)</sup>                  |
| IT DALI 200/120...240/1A0 P7 | 120...240 V        | 120...264 V                      | 1,10 A <sup>1)</sup> | 50/60 Hz               | 0,95 <sup>2)</sup>         | < 10 % <sup>3)</sup>                  |
| IT DALI 240/120-240/1A0 P7   | 120...240 V        | 120...264 V                      | 120 A <sup>1)</sup>  | 50/60 Hz               | 095 <sup>2)</sup>          | < 10 % <sup>3)</sup>                  |

| Opis produktu                | Straty mocy          | Networked standby power [AGGR] | Początkowy prąd rozruchowy | Maks. liczba SE przy bezpieczniku 10 A | Maksymalna liczba SE na wyłącznik 16 A |
|------------------------------|----------------------|--------------------------------|----------------------------|----------------------------------------|----------------------------------------|
| IT DALI 20/120...240/1A0 P7  | 4,0 W <sup>4)</sup>  | <0.50 W <sup>5)</sup>          | 30 A <sup>6)</sup>         | 14 <sup>7)</sup>                       | 22 <sup>7)</sup>                       |
| IT DALI 40/120...240/1A0 P7  | 5,0 W <sup>4)</sup>  | <0.50 W <sup>5)</sup>          | 30 A <sup>6)</sup>         | 14 <sup>7)</sup>                       | 22 <sup>7)</sup>                       |
| IT DALI 75/120...240/1A0 P7  | 6,0 W <sup>4)</sup>  | <0.50 W <sup>5)</sup>          | 86 A <sup>12)</sup>        | 9 <sup>7)</sup>                        | 14 <sup>7)</sup>                       |
| IT DALI 110/120...240/1A0 P7 | 9,0 W <sup>4)</sup>  | <0.50 W <sup>5)</sup>          | 66 A <sup>13)</sup>        | 9 <sup>7)</sup>                        | 14 <sup>7)</sup>                       |
| IT DALI 150/120...240/1A0 P7 | 12 W <sup>4)</sup>   | <0.50 W <sup>5)</sup>          | 45 A <sup>6)</sup>         | 9 <sup>7)</sup>                        | 14 <sup>7)</sup>                       |
| IT DALI 200/120...240/1A0 P7 | 15,0 W <sup>4)</sup> | <0.50 W <sup>5)</sup>          | 72 A <sup>15)</sup>        | 3 <sup>7)</sup>                        | 5 <sup>7)</sup>                        |
| IT DALI 240/120-240/1A0 P7   | 18.0 W <sup>4)</sup> | <0.50 W <sup>5)</sup>          | 73.6 A <sup>16)</sup>      | 3 <sup>7)</sup>                        | 5 <sup>7)</sup>                        |

| Opis produktu                | Maks. liczba SE przy bezpieczni 25 A (B) | Odporność na nap. udarowe (L/N-uziom) | Odporność na napięcie udarowe (L-N) | Znamionowa moc |
|------------------------------|------------------------------------------|---------------------------------------|-------------------------------------|----------------|
| IT DALI 20/120...240/1A0 P7  | 34 <sup>7)</sup>                         | 10 kV <sup>8)</sup>                   | 6 kV                                | 20 W           |
| IT DALI 40/120...240/1A0 P7  | 34 <sup>7)</sup>                         | 10 kV <sup>8)</sup>                   | 6 kV                                | 40 W           |
| IT DALI 75/120...240/1A0 P7  | 22 <sup>7)</sup>                         | 10 kV <sup>8)</sup>                   | 6 kV                                | 75 W           |
| IT DALI 110/120...240/1A0 P7 | 22 <sup>7)</sup>                         | 10 kV <sup>8)</sup>                   | 6 kV                                | 110 W          |
| IT DALI 150/120...240/1A0 P7 | 22 <sup>7)</sup>                         | 10 kV <sup>14)</sup>                  | 6 kV                                | 150 W          |
| IT DALI 200/120...240/1A0 P7 | 8 <sup>7)</sup>                          | 10 kV <sup>8)</sup>                   | 6 kV                                | 200 W          |
| IT DALI 240/120-240/1A0 P7   | 7 <sup>7)</sup>                          | 10 kV <sup>8)</sup>                   | 6 kV                                | 240 W          |

| Opis produktu                | Maksymalna moc wyjściowa | Efficiency in full-load | Znamionowy prąd wyjściowy   |
|------------------------------|--------------------------|-------------------------|-----------------------------|
| IT DALI 20/120...240/1A0 P7  | 20 W                     | 86 % <sup>5)</sup>      | 350...1050 mA <sup>9)</sup> |
| IT DALI 40/120...240/1A0 P7  | 40 W                     | 90 % <sup>5)</sup>      | 350...1050 mA <sup>9)</sup> |
| IT DALI 75/120...240/1A0 P7  | 75 W                     | 92 % <sup>5)</sup>      | 350...1050 mA <sup>9)</sup> |
| IT DALI 110/120...240/1A0 P7 | 110 W                    | 93 % <sup>5)</sup>      | 350...1050 mA <sup>9)</sup> |

Karta katalogowa rodziny produktów

| Opis produktu                | Maksymalna moc wyjściowa | Efficiency in full-load | Znamionowy prąd wyjściowy   |
|------------------------------|--------------------------|-------------------------|-----------------------------|
| IT DALI 150/120...240/1A0 P7 | 150 W                    | 93% <sup>5)</sup>       | 350...1050 mA <sup>9)</sup> |
| IT DALI 200/120...240/1A0 P7 | 200 W                    | 92 % <sup>5)</sup>      | 350...1050 mA <sup>9)</sup> |
| IT DALI 240/120-240/1A0 P7   | 240 W                    | 93% <sup>5)</sup>       | 350...1050 mA <sup>9)</sup> |

| Opis produktu                | Default output current | Tolerancja prądu wyjściowego | Częstotliwość prądu wyj. (100 Hz) |
|------------------------------|------------------------|------------------------------|-----------------------------------|
| IT DALI 20/120...240/1A0 P7  | 700 mA                 | ±5 %                         | +/- 5 % <sup>10)</sup>            |
| IT DALI 40/120...240/1A0 P7  | 700 mA                 | ±5 %                         | +/- 5 % <sup>10)</sup>            |
| IT DALI 75/120...240/1A0 P7  | 700 mA                 | ±5 %                         | +/- 5 % <sup>10)</sup>            |
| IT DALI 110/120...240/1A0 P7 | 700 mA                 | ±5 %                         | +/- 5 % <sup>10)</sup>            |
| IT DALI 150/120...240/1A0 P7 | 700 mA                 | ±5 %                         | +/- 5 % <sup>10)</sup>            |
| IT DALI 200/120...240/1A0 P7 | 700 mA                 | ±5 %                         | +/- 5 % <sup>10)</sup>            |
| IT DALI 240/120-240/1A0 P7   | 700 mA                 | ±5 %                         | +/- 5 % <sup>10)</sup>            |

| Opis produktu                | Output PSTLM | Output SVM | Minimalny prąd wyjściowy |
|------------------------------|--------------|------------|--------------------------|
| IT DALI 20/120...240/1A0 P7  | ≤1           | ≤0.4       | 70 mA <sup>11)</sup>     |
| IT DALI 40/120...240/1A0 P7  | ≤1           | ≤0.4       | 70 mA <sup>11)</sup>     |
| IT DALI 75/120...240/1A0 P7  | ≤1           | ≤0.4       | 70 mA <sup>11)</sup>     |
| IT DALI 110/120...240/1A0 P7 | ≤1           | ≤0.4       | 70 mA <sup>11)</sup>     |
| IT DALI 150/120...240/1A0 P7 | ≤1           | ≤0.4       | 70 mA <sup>11)</sup>     |
| IT DALI 200/120...240/1A0 P7 | ≤1           | ≤0.4       | 70 mA <sup>11)</sup>     |
| IT DALI 240/120-240/1A0 P7   | ≤1           | ≤0.4       | 70 mA <sup>11)</sup>     |

| Opis produktu                | Izolacja galwaniczna | Maks. liczba SE na 16 A MCB z EBN-OS | U-OUT (napięcie robocze) | Znamionowe napięcie wyjściowe |
|------------------------------|----------------------|--------------------------------------|--------------------------|-------------------------------|
| IT DALI 20/120...240/1A0 P7  | SELV                 | 45                                   | 60 V                     | 15...29 V                     |
| IT DALI 40/120...240/1A0 P7  | SELV                 | 45                                   | 60 V                     | 29...57 V                     |
| IT DALI 75/120...240/1A0 P7  | SELV                 | 30                                   | 120 V                    | 55...108 V                    |
| IT DALI 110/120...240/1A0 P7 | Double               | 30                                   | 180 V                    | 75...157 V                    |
| IT DALI 150/120...240/1A0 P7 | basic                | 15                                   | 300 V                    | 110...214 V                   |
| IT DALI 200/120...240/1A0 P7 | basic                | 10                                   | 400 V                    | 145..286 V                    |
| IT DALI 240/120-240/1A0 P7   | basic                | 10                                   | 400 V                    | 172...343 V                   |

1) Vin 230v 50Hz  
2) Pełne obciążenie przy napięciu 230 V/50 Hz  
3) At full load, 230 V, 50 Hz / see graphs  
4) At Full load, 230 V, 50 Hz  
5) at 230 V, 50 Hz  
6) Max, th = 205 µs @ 50 % Ipk  
7) Typ B

Karta katalogowa rodziny produktów

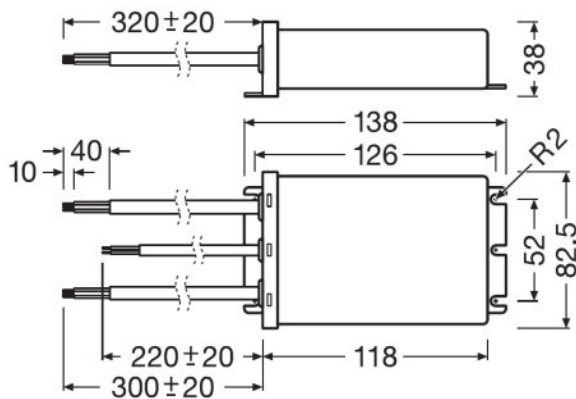
- 8) L - N acc to EN 61547 (>15 pulses) / L/N - PE acc to EN 61547 (>15 pulses)
- 9) Default 700 mA; 200...1050 mA adjustable
- 10) Ripple / average @ 100 Hz
- 11) Physical Minimum Dimming Current
- 12) Max, th = 112 µs @ 50 % Ipk
- 13) Max, th = 145 µs @ 50 % Ipk
- 14) L/N - PE acc to EN 61547 (>15 pulses) / L - N acc to EN 61547 (>15 pulses)
- 15) Max, th = 338 µs @ 50 % Ipk
- 16) Max, th = 378 µs @ 50 % Ipk

Wymiary i waga

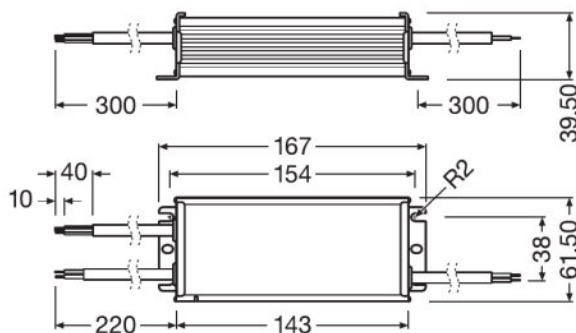
| Opis produktu                | Długość  | Szerokość | Wysokość | Odległość<br>otworów<br>montażowy<br>ch, długość | Odległość<br>otworów<br>montażowy<br>ch,<br>szerokość | Masa<br>produktu |
|------------------------------|----------|-----------|----------|--------------------------------------------------|-------------------------------------------------------|------------------|
| IT DALI 20/120...240/1A0 P7  | 138,0 mm | 82,5 mm   | 38,0 mm  | 126,0 mm                                         | 52,0 mm                                               | 540,00 g         |
| IT DALI 40/120...240/1A0 P7  | 1380 mm  | 825 mm    | 380 mm   | 126,0 mm                                         | 52,0 mm                                               | 54000 g          |
| IT DALI 75/120...240/1A0 P7  | 1670 mm  | 615 mm    | 395 mm   | 154,0 mm                                         | 38 mm                                                 | 61000 g          |
| IT DALI 110/120...240/1A0 P7 | 1760 mm  | 615 mm    | 395 mm   | 163,0 mm                                         | 38 mm                                                 | 65000 g          |
| IT DALI 150/120...240/1A0 P7 | 184,0 mm | 61,5 mm   | 39,5 mm  | 171,0 mm                                         | 38 mm                                                 | 700,00 g         |
| IT DALI 200/120...240/1A0 P7 | 226,0 mm | 61,5 mm   | 39,5 mm  | 213,0 mm                                         | 38 mm                                                 | 900,00 g         |
| IT DALI 240/120-240/1A0 P7   | 2520 mm  | 615 mm    | 395 mm   | 252.0 mm                                         | 38 mm                                                 | 100000 g         |

| Opis produktu                | Przekrój<br>przewodu, strona<br>wejściowa | Przekrój<br>przewodu, strona<br>wyjściowa | Długość przewodu,<br>strona wejściowa |
|------------------------------|-------------------------------------------|-------------------------------------------|---------------------------------------|
| IT DALI 20/120...240/1A0 P7  | 1,0 mm <sup>2</sup>                       | 1,0 mm <sup>2</sup>                       | 10 mm                                 |
| IT DALI 40/120...240/1A0 P7  | 1,0 mm <sup>2</sup>                       | 1,0 mm <sup>2</sup>                       | 10 mm                                 |
| IT DALI 75/120...240/1A0 P7  | 1,0 mm <sup>2</sup>                       | 1,0 mm <sup>2</sup>                       | 10 mm                                 |
| IT DALI 110/120...240/1A0 P7 | 1,0 mm <sup>2</sup>                       | 1,0 mm <sup>2</sup>                       | 10 mm                                 |
| IT DALI 150/120...240/1A0 P7 | 1,0 mm <sup>2</sup>                       | 1,0 mm <sup>2</sup>                       | 10 mm                                 |
| IT DALI 200/120...240/1A0 P7 | 1,0 mm <sup>2</sup>                       | 1,0 mm <sup>2</sup>                       | 10 mm                                 |
| IT DALI 240/120-240/1A0 P7   | 1,0 mm <sup>2</sup>                       | 1,0 mm <sup>2</sup>                       | 10 mm                                 |

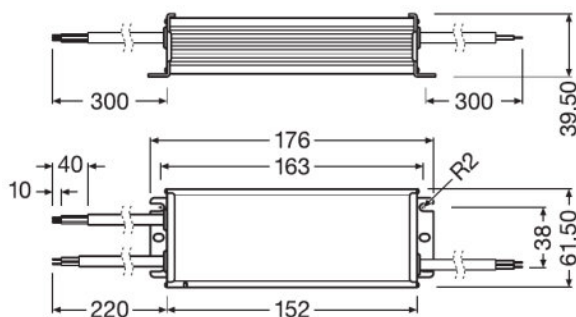
Linia produktów z numerami



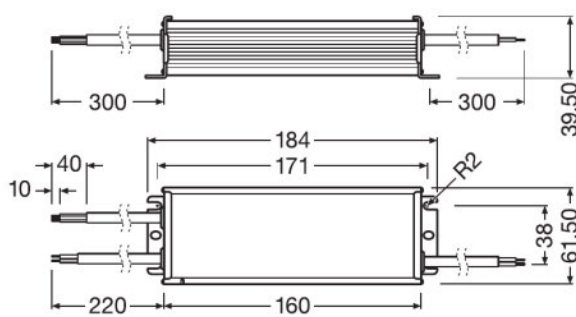
IT DALI 20/120...240/1A0 P7, IT DALI 40/120...240/1A0 P7



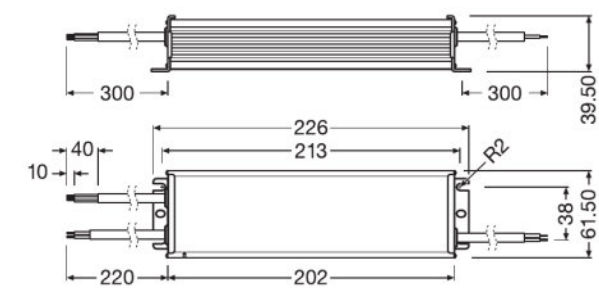
IT DALI 75/120...240/1A0 P7



IT DALI 110/120...240/1A0 P7



IT DALI 150/120...240/1A0 P7



IT DALI 200/120...240/1A0 P7, IT DALI 240/120-240/1A0 P7

Temperatury i warunki pracy

| Opis produktu                | Zakres temperatury otoczenia | Zakres temperatury magazynowania | Maks. temp. w punkcie pomiarowym t <sub>c</sub> | Maks. temperatura obudowy |
|------------------------------|------------------------------|----------------------------------|-------------------------------------------------|---------------------------|
| IT DALI 20/120...240/1A0 P7  | -40...+70 °C                 | -40...+85 °C                     | 80 °C <sup>1)</sup>                             | 120 °C                    |
| IT DALI 40/120...240/1A0 P7  | -40...+65 °C                 | -40...+85 °C                     | 80 °C <sup>1)</sup>                             | 120 °C                    |
| IT DALI 75/120...240/1A0 P7  | -40...+65 °C                 | -40...+85 °C                     | 80 °C <sup>1)</sup>                             | 120 °C                    |
| IT DALI 110/120...240/1A0 P7 | -40...+60 °C                 | -40...+85 °C                     | 85 °C <sup>1)</sup>                             | 120 °C                    |
| IT DALI 150/120...240/1A0 P7 | -40...+60 °C                 | -40...+85 °C                     | 90 °C <sup>1)</sup>                             | 120 °C                    |
| IT DALI 200/120...240/1A0 P7 | -40...+55 °C                 | -40...+85 °C                     | 90 °C <sup>1)</sup>                             | 120 °C                    |
| IT DALI 240/120-240/1A0 P7   | -40...+55 °C                 | -40...+85 °C                     | 90 °C <sup>1)</sup>                             | 120 °C                    |
| Opis produktu                | Wilgotność względna          |                                  |                                                 |                           |
| IT DALI 20/120...240/1A0 P7  | 5...95 % <sup>2)</sup>       |                                  |                                                 |                           |
| IT DALI 40/120...240/1A0 P7  | 5...95 % <sup>2)</sup>       |                                  |                                                 |                           |
| IT DALI 75/120...240/1A0 P7  | 5...95 % <sup>3)</sup>       |                                  |                                                 |                           |
| IT DALI 110/120...240/1A0 P7 | 5...95 % <sup>3)</sup>       |                                  |                                                 |                           |
| IT DALI 150/120...240/1A0 P7 | 5...95 % <sup>3)</sup>       |                                  |                                                 |                           |
| IT DALI 200/120...240/1A0 P7 | 5...95 % <sup>3)</sup>       |                                  |                                                 |                           |
| IT DALI 240/120-240/1A0 P7   | 5...95 % <sup>3)</sup>       |                                  |                                                 |                           |

<sup>1)</sup> Measured on t<sub>c</sub> point indicated on the product label.

<sup>2)</sup> Non condensing, absolute humidity: 36g/m<sup>3</sup>

<sup>3)</sup> Bez kondensacji

Karta katalogowa rodziny produktów

Trwałość

| Opis produktu                | Trwałość SE                    |
|------------------------------|--------------------------------|
| IT DALI 20/120...240/1A0 P7  | 50000 / 100000 h <sup>1)</sup> |
| IT DALI 40/120...240/1A0 P7  | 50000 / 100000 h <sup>1)</sup> |
| IT DALI 75/120...240/1A0 P7  | 50000 / 100000 h <sup>1)</sup> |
| IT DALI 110/120...240/1A0 P7 | 50000 / 100000 h <sup>1)</sup> |
| IT DALI 150/120...240/1A0 P7 | 50000 / 100000 h <sup>2)</sup> |
| IT DALI 200/120...240/1A0 P7 | 50000 / 100000 h <sup>2)</sup> |
| IT DALI 240/120-240/1A0 P7   | 50000 / 100000 h <sup>3)</sup> |

1) At maximum T<sub>c</sub> = 80°C / 10% failure rate / At maximum T<sub>c</sub> = 70°C / 10% failure rate

2) At maximum T<sub>c</sub> = 85°C / 10% failure rate / At maximum T<sub>c</sub> = 75°C / 10% failure rate

3) T<sub>c</sub> = 85°C, with max. 10% failure rate / T<sub>c</sub> = 75°C, with max. 10% failure rate

Możliwości

| Opis produktu                | Ściemnianie | Interfejs ściemniany | Zakres regulacji | Nadaje się do opraw o kl. ochronności |
|------------------------------|-------------|----------------------|------------------|---------------------------------------|
| IT DALI 20/120...240/1A0 P7  | Tak         | DALI-2 / AstroDIM    | 10...100 %       | I / II                                |
| IT DALI 40/120...240/1A0 P7  | Tak         | DALI-2 / AstroDIM    | 10...100 %       | I / II                                |
| IT DALI 75/120...240/1A0 P7  | Tak         | DALI-2 / AstroDIM    | 10...100 %       | I / II                                |
| IT DALI 110/120...240/1A0 P7 | Tak         | DALI-2 / AstroDIM    | 10...100 %       | I / II                                |
| IT DALI 150/120...240/1A0 P7 | Tak         | DALI-2 / AstroDIM    | 10...100 %       | I / II                                |
| IT DALI 200/120...240/1A0 P7 | Tak         | DALI-2 / AstroDIM    | 10...100 %       | I / II                                |
| IT DALI 240/120-240/1A0 P7   | Tak         | DALI-2 / AstroDIM    | 10...100 %       | I / II                                |

| Opis produktu                | Stały poziom strumienia świetlnego        | Ujemny temp. wsp. rezystancji, wejście | Zabezpieczenie przeciwzwarciowe | Bez zabezp. przeciw przeciążeniowemu |
|------------------------------|-------------------------------------------|----------------------------------------|---------------------------------|--------------------------------------|
| IT DALI 20/120...240/1A0 P7  | Możliwość programowania/<br>Programowalne | Nie                                    | Tak                             | Tak                                  |
| IT DALI 40/120...240/1A0 P7  | Możliwość programowania/<br>Programowalne | Nie                                    | Tak                             | Tak                                  |
| IT DALI 75/120...240/1A0 P7  | Możliwość programowania/<br>Programowalne | Nie                                    | Tak                             | Tak                                  |
| IT DALI 110/120...240/1A0 P7 | Możliwość programowania/<br>Programowalne | Nie                                    | Tak                             | Tak                                  |
| IT DALI 150/120...240/1A0 P7 | Możliwość programowania/<br>Programowalne | Nie                                    | Tak                             | Tak                                  |
| IT DALI 200/120...240/1A0 P7 | Możliwość programowania/<br>Programowalne | Nie                                    | Tak                             | Tak                                  |

Karta katalogowa rodziny produktów

| Opis produktu              | Stały poziom strumienia świetlnego        | Ujemny temp. wsp. rezystancji, wejście | Zabezpieczenie przeciwzwarceniowe | Bez zabezp. przeciw przeciążeniowemu |
|----------------------------|-------------------------------------------|----------------------------------------|-----------------------------------|--------------------------------------|
| IT DALI 240/120-240/1A0 P7 | Możliwość programowania/<br>Programowalne | Nie                                    | Tak                               | Tak                                  |

| Opis produktu                | Intended for no-load operation | Maks. dł. przewodów do lampy/modułu LED | DALI-2 Diagnostic Data | DALI-2 Energy Data |
|------------------------------|--------------------------------|-----------------------------------------|------------------------|--------------------|
| IT DALI 20/120...240/1A0 P7  | Nie                            | 2,0 m <sup>1)</sup>                     | Tak <sup>2)</sup>      | Tak <sup>3)</sup>  |
| IT DALI 40/120...240/1A0 P7  | Nie                            | 2,0 m <sup>1)</sup>                     | Tak <sup>2)</sup>      | Tak <sup>3)</sup>  |
| IT DALI 75/120...240/1A0 P7  | Nie                            | 2,0 m <sup>1)</sup>                     | Tak <sup>2)</sup>      | Tak <sup>3)</sup>  |
| IT DALI 110/120...240/1A0 P7 | Nie                            | 2,0 m <sup>1)</sup>                     | Tak <sup>2)</sup>      | Tak <sup>3)</sup>  |
| IT DALI 150/120...240/1A0 P7 | Nie                            | 2,0 m <sup>1)</sup>                     | Tak <sup>2)</sup>      | Tak <sup>3)</sup>  |
| IT DALI 200/120...240/1A0 P7 | Nie                            | 2,0 m <sup>1)</sup>                     | Tak <sup>2)</sup>      | Tak <sup>3)</sup>  |
| IT DALI 240/120-240/1A0 P7   | Nie                            | 2,0 m <sup>1)</sup>                     | Tak <sup>2)</sup>      | Tak <sup>3)</sup>  |

| Opis produktu                | LEDset | Zabezpieczenie przeciwprzeciążeniowe | Number of channels |
|------------------------------|--------|--------------------------------------|--------------------|
| IT DALI 20/120...240/1A0 P7  | Nie    | Tak                                  | 1                  |
| IT DALI 40/120...240/1A0 P7  | Nie    | Tak                                  | 1                  |
| IT DALI 75/120...240/1A0 P7  | Nie    | Tak                                  | 1                  |
| IT DALI 110/120...240/1A0 P7 | Nie    | Tak                                  | 1                  |
| IT DALI 150/120...240/1A0 P7 | Nie    | Tak                                  | 1                  |
| IT DALI 200/120...240/1A0 P7 | Nie    | Tak                                  | 1                  |
| IT DALI 240/120-240/1A0 P7   | Nie    | Tak                                  | 1                  |

<sup>1)</sup> Output wires must be routed as close as possible to each other  
<sup>2)</sup> Acc. DALI part 253  
<sup>3)</sup> Acc. DALI part 252

Programming

| Opis produktu                | Box programming    | Tuner4TRONIC | Tuner4TRONIC Field App |
|------------------------------|--------------------|--------------|------------------------|
| IT DALI 20/120...240/1A0 P7  | No                 | Tak          | Nie                    |
| IT DALI 40/120...240/1A0 P7  | No                 | Tak          | Nie                    |
| IT DALI 75/120...240/1A0 P7  | No                 | Tak          | Nie                    |
| IT DALI 110/120...240/1A0 P7 | No                 | Tak          | Nie                    |
| IT DALI 150/120...240/1A0 P7 | No                 | Tak          | Nie                    |
| IT DALI 200/120...240/1A0 P7 | No                 | Tak          | Nie                    |
| IT DALI 240/120-240/1A0 P7   | No                 | Tak          | Nie                    |
| Opis produktu                | Programming device |              |                        |
| IT DALI 20/120...240/1A0 P7  | DALI               |              |                        |



Karta katalogowa rodziny produktów

| Opis produktu                | Programming device |
|------------------------------|--------------------|
| IT DALI 40/120...240/1A0 P7  | DALI               |
| IT DALI 75/120...240/1A0 P7  | DALI               |
| IT DALI 110/120...240/1A0 P7 | DALI               |
| IT DALI 150/120...240/1A0 P7 | DALI               |
| IT DALI 200/120...240/1A0 P7 | DALI               |
| IT DALI 240/120-240/1A0 P7   | DALI               |

Programmable features

| Opis produktu                | Constant Lumen | Driver Guard | AstroDIM |
|------------------------------|----------------|--------------|----------|
| IT DALI 20/120...240/1A0 P7  | Tak            | Nie          | Tak      |
| IT DALI 40/120...240/1A0 P7  | Tak            | Nie          | Tak      |
| IT DALI 75/120...240/1A0 P7  | Tak            | Nie          | Tak      |
| IT DALI 110/120...240/1A0 P7 | Tak            | Nie          | Tak      |
| IT DALI 150/120...240/1A0 P7 | Tak            | Nie          | Tak      |
| IT DALI 200/120...240/1A0 P7 | Tak            | Nie          | Tak      |
| IT DALI 240/120-240/1A0 P7   | Tak            | Nie          | Tak      |

| Opis produktu                | StepDIM | MainsDIM | Emergency Mode |
|------------------------------|---------|----------|----------------|
| IT DALI 20/120...240/1A0 P7  | Nie     | Nie      | Nie            |
| IT DALI 40/120...240/1A0 P7  | Nie     | Nie      | Nie            |
| IT DALI 75/120...240/1A0 P7  | Nie     | Nie      | Nie            |
| IT DALI 110/120...240/1A0 P7 | Nie     | Nie      | Nie            |
| IT DALI 150/120...240/1A0 P7 | Nie     | Nie      | Nie            |
| IT DALI 200/120...240/1A0 P7 | Nie     | Nie      | Nie            |
| IT DALI 240/120-240/1A0 P7   | Nie     | Nie      | Nie            |

| Opis produktu                | Configuration Lock | DALI-2 Luminaire Data |
|------------------------------|--------------------|-----------------------|
| IT DALI 20/120...240/1A0 P7  | Tak                | Tak <sup>1)</sup>     |
| IT DALI 40/120...240/1A0 P7  | Tak                | Tak <sup>1)</sup>     |
| IT DALI 75/120...240/1A0 P7  | Tak                | Tak <sup>1)</sup>     |
| IT DALI 110/120...240/1A0 P7 | Tak                | Tak <sup>1)</sup>     |
| IT DALI 150/120...240/1A0 P7 | Tak                | Tak <sup>1)</sup>     |
| IT DALI 200/120...240/1A0 P7 | Tak                | Tak <sup>1)</sup>     |
| IT DALI 240/120-240/1A0 P7   | Tak                | Tak <sup>1)</sup>     |

<sup>1)</sup> Acc. DALI part 251

Certyfikaty i Normy

| Opis produktu                | Typ zabezpieczenia | Normy                                                                                                                                       | Znaki stacji badawczych                             |
|------------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| IT DALI 20/120...240/1A0 P7  | IP67               | Wg. EN 61347-1/Wg. EN 61347-2-13/Wg. EN 55015/Wg. EN 61547/Wg. EN 61000-3-2/Wg. EN 61000-3-3/Acc. to EN 60598-1 (ED.8)/Wg. EN 62384         | CCC / CE / TISI / RCM / ENEC / UKCA / DALI-2 / IP67 |
| IT DALI 40/120...240/1A0 P7  | IP67               | Wg. EN 61347-1/Wg. EN 61347-2-13/Wg. EN 55015/Wg. EN 61547/Wg. EN 61000-3-2/Wg. EN 61000-3-3/Acc. to EN 60598-1 (ED.8)/Wg. EN 62384         | CCC / CE / TISI / RCM / ENEC / DALI-2 / UKCA / IP67 |
| IT DALI 75/120...240/1A0 P7  | IP67               | Wg. EN 61347-1/Wg. EN 61347-2-13/Wg. EN 55015/Wg. EN 61547/Wg. EN 61000-3-2/Wg. EN 61000-3-3/Acc. to EN 60598-1 (ED.8)/Wg. EN 62384         | CCC / CE / TISI / RCM / ENEC / DALI-2 / UKCA / IP67 |
| IT DALI 110/120...240/1A0 P7 | IP67               | Wg. EN 61347-1/Wg. EN 61347-2-13/Wg. EN 55015/Wg. EN 61547/Wg. EN 61000-3-2/Wg. EN 61000-3-3/Acc. to EN 60598-1 (ED.8)/Wg. EN 62384         | CCC / CE / TISI / RCM / ENEC / UKCA / DALI-2 / IP67 |
| IT DALI 150/120...240/1A0 P7 | IP67               | Wg. EN 61347-1/Wg. EN 61347-2-13/Acc. to IEC 55015/Wg. IEC 61547/Wg. IEC 61000-3-2/Wg. IEC 61000-3-3/Acc. to EN 60598-1 (ED.8)/Wg. EN 62384 | CCC / CE / TISI / RCM / ENEC / UKCA / DALI-2 / IP67 |
| IT DALI 200/120...240/1A0 P7 | IP67               | Wg. EN 61347-1/Wg. EN 61347-2-13/Wg. EN 55015/Wg. EN 61547/Wg. EN 61000-3-2/Wg. EN 61000-3-3/Acc. to EN 60598-1 (ED.8)/Wg. EN 62384         | CCC / CE / TISI / RCM / DALI-2 / ENEC / UKCA / IP67 |
| IT DALI 240/120-240/1A0 P7   | IP67               | Wg. EN 61347-1/Wg. EN 61347-2-13/Wg. EN 55015/Wg. EN 61000-3-2/Wg. EN 61000-3-3/Acc. to EN 60598-1 (ED.8)/Wg. EN 62384/Wg. EN 61547         | CCC / CE / TISI / RCM / DALI-2 / ENEC / UKCA / IP67 |

Dane logistyczne

| Opis produktu                | Kod taryfy celnej |
|------------------------------|-------------------|
| IT DALI 20/120...240/1A0 P7  | 85044083900       |
| IT DALI 40/120...240/1A0 P7  | 85044083900       |
| IT DALI 75/120...240/1A0 P7  | 85044083900       |
| IT DALI 110/120...240/1A0 P7 | 85044083900       |
| IT DALI 150/120...240/1A0 P7 | 85044083900       |
| IT DALI 200/120...240/1A0 P7 | 85044083900       |
| IT DALI 240/120-240/1A0 P7   | 85044083900       |

Environmental information  
Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)

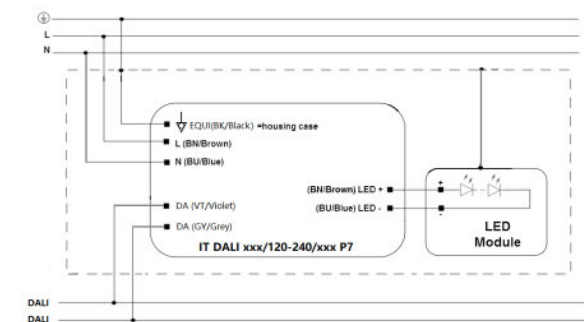
| Opis produktu                | Date of Declaration | Primary Article Identifier | Candidate List Substance 1 |
|------------------------------|---------------------|----------------------------|----------------------------|
| IT DALI 20/120...240/1A0 P7  | 19-05-2023          | 4052899620308              | Lead                       |
| IT DALI 40/120...240/1A0 P7  | 28-04-2023          | 4052899620315              | Lead                       |
| IT DALI 75/120...240/1A0 P7  | 28-04-2023          | 4052899620322              | Lead                       |
| IT DALI 110/120...240/1A0 P7 | 22-05-2023          | 4052899620339              | Lead                       |
| IT DALI 150/120...240/1A0 P7 | 22-05-2023          | 4052899620346              | Lead                       |
| IT DALI 200/120...240/1A0 P7 | 28-04-2023          | 4052899620353              | Lead                       |
| IT DALI 240/120-240/1A0 P7   | 19-05-2023          | 4062172286633              | Lead                       |

| Opis produktu                | CAS No. of substance 1 | Safe Use Instruction                                                                               | Declaration No. in SCIP database     |
|------------------------------|------------------------|----------------------------------------------------------------------------------------------------|--------------------------------------|
| IT DALI 20/120...240/1A0 P7  | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. | 0214fb63-b7a2-4a36-8240-5f2a5e32fafb |
| IT DALI 40/120...240/1A0 P7  | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. | 29622dc0-3136-4f2e-a937-11c6d0a4346b |
| IT DALI 75/120...240/1A0 P7  | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. | 02962680-f861-4272-b069-79647830a722 |
| IT DALI 110/120...240/1A0 P7 | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. | 48a8586f-acc2-4e93-86c9-97154d1cccb3 |
| IT DALI 150/120...240/1A0 P7 | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. | f3dd4c53-4cd0-4c3a-af7d-9658eefeeb10 |
| IT DALI 200/120...240/1A0 P7 | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. | 628b1d97-81b0-4994-9425-9be913510c47 |

Karta katalogowa rodziny produktów

| Opis produktu              | CAS No. of substance 1 | Safe Use Instruction                                                                               | Declaration No. in SCIP database     |
|----------------------------|------------------------|----------------------------------------------------------------------------------------------------|--------------------------------------|
| IT DALI 240/120-240/1A0 P7 | 7439-92-1              | The identification of the Candidate List substance is sufficient to allow safe use of the article. | 1f9b6468-25c2-4970-98ab-076b05936996 |

Schemat połączeń



| Item         | Value                   | Unit                      | Remarks                                        |
|--------------|-------------------------|---------------------------|------------------------------------------------|
| INPUT        | Cable cross section     | 1.0                       | mm² L (Brown/BN), N (Blue/BU), EQUI (Black/BK) |
|              | Wire preparation length | 10                        | mm                                             |
|              | Type of wire            | Flexible three core cable |                                                |
|              | Lead length             | 300 ± 20                  | mm                                             |
| OUTPUT       | Cable cross section     | 1.0                       | mm² LED+ (Brown/BN), LED- (Blue/BU)            |
|              | Wire preparation length | 10                        | mm                                             |
|              | Type of wire            | Flexible two core cable   |                                                |
|              | Lead length             | 300 ± 20                  | mm                                             |
| DIMMING      | Cable cross section     | 0.3                       | mm² DALI+ (Violet/VT), DALI- (Grey/GY)         |
|              | Wire preparation length | 10                        | mm                                             |
|              | Type of wire            | Flexible two core cable   |                                                |
|              | Lead length             | 220 ± 20                  | mm                                             |
| CABLE LENGTH | LED+ LED-               | < 2                       | m                                              |

IT DALI 20/120...240/1A0 P7, IT DALI 40/120...240/1A0 P7, IT DALI 75/120...240/1A0 P7, IT DALI 110/120...240/1A0 P7, IT DALI 150/120...240/1A0 P7, IT DALI 200/120...240/1A0 P7, IT DALI 240/120-240/1A0 P7

IT DALI 20/120...240/1A0 P7, IT DALI 40/120...240/1A0 P7, IT DALI 75/120...240/1A0 P7, IT DALI 110/120...240/1A0 P7, IT DALI 150/120...240/1A0 P7, IT DALI 200/120...240/1A0 P7, IT DALI 240/120-240/1A0 P7

Wskazówki dotyczące zastosowania

Więcej szczegółowych informacji dotyczących grafik i zastosowania znajduje się w karcie katalogowej produktu

Karta katalogowa, teks

- Input voltage range: Nominal operation at 198 – 264Vac. Workable at 120 – 277Vac without safety issue (refer to [8] Typical Input Voltage vs. Load), but normal performance such as THD, EMI, lifetime etc are not guaranteed;
- Input voltage range: Nominal operation at 198 – 264Vac. Workable also at 120 – 198Vac without safety issue (refer to graph Typical Input Voltage vs. Load), but normal performance such as THD, EMI, lifetime etc are not guaranteed;
- Output overload/voltage protection: In case the input voltage of the load exceeds the output voltage range which is auto defined by output current setting of the driver ( $V_o=P_o/I_o$ ), it automatically reduces the output current. The driver needs a power cycle to restart or DALI command with the correct load connected.
- Output short circuit protection: shut down of driver occur in case of output short circuit without damage to the unit.
- Output over load/voltage protection: In case the input voltage of the load exceeds the output voltage range which is auto defined by output current setting of the driver ( $V_o=P_o/I_o$ ), it automatically reduces the output current. Auto-reversible without mains power on/off;
- No load protection: the driver automatically adjusts the output voltage to the maximum output voltage which is auto defined by output current setting of the driver ( $V_o=P_o/I_o$ ) if no load is connected. The driver needs a power cycle to restart with the correct load connected.
- Over temperature protection: the driver is protected against temporary overheating by shutting down until the overheating eliminated; Auto-reversible when temperature back to normal;
- Disconnect the power before servicing. Terminal block is not included, installation must be performed by qualified person;
- The EQUI (housing) shall be connected to the heat sink of the LED module to improve the surge withstand capability of the system and EMI in critical luminaires.
- Not suitable to be mounted in ceiling corner
- The LED control gear cannot be abutted against or covered by normally flammable materials or used in installations where building insulation or debris is, or may be, present in normal use.
- The external flexible cable or cord of this driver cannot be replaced; if the cord is damaged, the driver shall be destroyed.
- The dimmer should fulfill at least basic insulation between control voltage and dimming circuit (for Australia and New Zealand).
- The minimum clearance distance from the top and sides of the controlgear to normally flammable building elements is  $A=B=C=Min.10mm$ , this clause does not apply when the LED driver is built-in the luminaires (for Australia and New Zealand).
- The startup time to reach the set output current is less than 2s.
- For further details please consult the application note;

Sprzedaż i pomoc techniczna

Sprzedaż i pomoc techniczna [www.osram.com](http://www.osram.com)

Pobierz dane

| Plik                                                                                |                                               |
|-------------------------------------------------------------------------------------|-----------------------------------------------|
|  | User instruction<br>User Instruction          |
|  | Certyfikaty<br>CB Certificate of OT DALI P7   |
|  | Certyfikaty<br>EAC Certificate of OT products |
|  | Certyfikaty<br>ENEC Certificate of IT DALI P7 |

## Karta katalogowa rodziny produktów

|                                                                                     |                                                              |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------|
|    | Certyfikaty<br>CCC certificate                               |
|    | Deklaracje zgodności<br>IT DALI P7 CE 4287284 120822         |
|    | Deklaracje zgodności<br>IT DALI P7 UK DoC 4287289 120822     |
|    | Dane CAD<br>IT DALI 20 40 1A0 P7 STEP 300323                 |
|    | Certyfikaty<br>CCC certificate                               |
|    | Certyfikaty<br>CCC certificate (CH)                          |
|    | Certyfikaty<br>CCC certificate                               |
|    | Dane CAD<br>IT DALI 75 1A0 P7 STEP 300323                    |
|    | Certyfikaty<br>CCC certificate                               |
|    | Dane CAD<br>IT DALI 110 1A0 P7 STEP 300323                   |
|  | Certyfikaty<br>CCC certificate of IT DALI 150 120-240 1A0 P7 |
|  | Dane CAD<br>IT DALI 150 1A0 P7 STEP 300323                   |
|  | Certyfikaty<br>CCC certificate of IT DALI 200 120-240 1A0 P7 |
|  | Dane CAD<br>IT DALI 200 1A0 P7 STEP 300323                   |
|  | Dane CAD<br>IT DALI 240 1A0 P7 STEP 300323                   |

### Ecodesign regulation information:

Intended for use with LED modules.

The forward voltage of the LED light source shall be within the defined operating window of the control gear in all operating conditions including dimming if applicable.

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

Karta katalogowa rodziny produktów

Dane logistyczne

| Kod produktu  | Opis produktu                | Opakowanie (liczba produktów / opakowanie) | Wymiary (długość x szerokość x wysokość) | Objętość              | Waga brutto |
|---------------|------------------------------|--------------------------------------------|------------------------------------------|-----------------------|-------------|
| 4052899620308 | IT DALI 20/120...240/1A0 P7  | Karton wysyłkowy 20                        | 589 mm x 218 mm x 207 mm                 | 26.58 dm <sup>3</sup> | 11654.00 g  |
| 4052899620315 | IT DALI 40/120...240/1A0 P7  | Karton wysyłkowy 20                        | 589 mm x 218 mm x 207 mm                 | 26.58 dm <sup>3</sup> | 11654.00 g  |
| 4052899620322 | IT DALI 75/120...240/1A0 P7  | Karton wysyłkowy 15                        | 449 mm x 243 mm x 163 mm                 | 17.78 dm <sup>3</sup> | 9793.00 g   |
| 4052899620339 | IT DALI 110/120...240/1A0 P7 | Karton wysyłkowy 15                        | 449 mm x 252 mm x 163 mm                 | 18.44 dm <sup>3</sup> | 10412.00 g  |
| 4052899620346 | IT DALI 150/120...240/1A0 P7 | Karton wysyłkowy 15                        | 449 mm x 260 mm x 163 mm                 | 19.03 dm <sup>3</sup> | 11180.00 g  |
| 4052899620353 | IT DALI 200/120...240/1A0 P7 | Karton wysyłkowy 15                        | 449 mm x 302 mm x 163 mm                 | 22.10 dm <sup>3</sup> | 14314.00 g  |
| 4062172286633 | IT DALI 240/120-240/1A0 P7   | Karton wysyłkowy 15                        | 449 mm x 334 mm x 163 mm                 | 24.44 dm <sup>3</sup> | 15854.00 g  |

Wymieniony kod produktu oznacza najmniejszą ilość produktu, jaka może być zamówiona. Jednostka transportowa może zawierać jedną sztukę lub więcej. Składając zamówienie prosimy o zamawianie ilości odpowiadających jednej lub wielokrotności jednostki transportowej.

Prywatność danych

This OSRAM driver can be configured using the Tuner4TRONIC software. This requires registering on [www.mynosram.com](http://www.mynosram.com) and downloading theTuner4TRONIC software from the Internet. The Tuner4TRONIC software enables users to access and view the operational data of a luminaire or driver via the corresponding programming interfaces. A password key (Config Lock) must be set up in the driver via the Tuner4TRONIC software in order to control which users can access and view operational data. Follow the instructions for password setup. To grant an external person or company rights to access or view operational data, you can assign password keys. In this case, however, you are responsible for ensuring that the third party concerned takes notice of the information described here. However, OSRAM can read out operating data from devices for maintenance and service purposes even when a password key has been assigned. In individual cases, OSRAM will also use its access rights in order to optimize or improve driver hardware and driver functions. In accordance with data privacy principles, any user of operating data (luminaire manufacturers, third parties with access rights) must ensure that personal data (e.g. name, address, location IDs) are only merged with the prior written consent of the person (end user) concerned. The respective user of the operating data is responsible for providing evidence of consent.

Odnośniki/łącza

\* For more information on the multi-level guarantee and the terms and conditions of the guarantee visit <https://www.inventronics-light.com/multilevel-guarantees>

### Oświadczenie

Zastrzega się możliwość zmian bez uprzedzenia. Błędy i ominięcia są możliwe. Należy zawsze upewnić się czy korzystasz z najnowszej wersji katalogu.