

## High-current terminal block - PTPOWER 95-FE - 3260139

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High-current terminal block, Connection method: Push-in connection, Cross section: 25 mm<sup>2</sup> - 95 mm<sup>2</sup>, AWG: 4 - 3/0, Width: 25 mm, Color: black/yellow, Mounting type: NS 35/15

### Product Features

- ✓ Quick and easy connection is now also possible for large conductors with the high-current terminal block
- ✓ The Push-in connection terminal blocks are characterized by the system features of the CLIPLINE complete system and by easy and tool-free wiring of conductors with ferrules or solid conductors
- ✓ The compact design enables wiring in a confined space
- ✓ In addition to using the existing test connection, pick-off terminal blocks can be connected, each of which can also accommodate two test cables
- ✓ Tested for railway applications



### Key commercial data

|                                      |           |
|--------------------------------------|-----------|
| Packing unit                         | 1 pc      |
| Minimum order quantity               | 10 pc     |
| Weight per Piece (excluding packing) | 200.0 GRM |
| Custom tariff number                 | 85369010  |
| Country of origin                    | Poland    |

### Technical data

#### General

|                                         |                        |
|-----------------------------------------|------------------------|
| Number of levels                        | 1                      |
| Number of connections                   | 2                      |
| Color                                   | black/yellow           |
| Insulating material                     | PA                     |
| Inflammability class according to UL 94 | V0                     |
| Area of application                     | Railway industry       |
|                                         | Mechanical engineering |
|                                         | Plant engineering      |

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## Technical data

### General

|                                                                                 |                                                         |
|---------------------------------------------------------------------------------|---------------------------------------------------------|
| Maximum load current                                                            | 232 A (with 95 mm <sup>2</sup> conductor cross section) |
| Rated surge voltage                                                             | 8 kV                                                    |
| Pollution degree                                                                | 3                                                       |
| Surge voltage category                                                          | III                                                     |
| Insulating material group                                                       | I                                                       |
| Connection in acc. with standard                                                | IEC 60947-7-1                                           |
| Maximum load current                                                            | 232 A (with 95 mm <sup>2</sup> conductor cross section) |
| Nominal current I <sub>N</sub>                                                  | 232 A                                                   |
| Nominal voltage U <sub>N</sub>                                                  | 1500 V                                                  |
| Maximum load current                                                            | 232 A (with 95 mm <sup>2</sup> conductor cross section) |
| Open side panel                                                                 | nein                                                    |
| Shock protection test specification                                             | DIN EN 50274 (VDE 0660-514):2002-11                     |
| Back of the hand protection                                                     | guaranteed                                              |
| Finger protection                                                               | guaranteed                                              |
| Surge voltage test setpoint                                                     | 9.8 kV                                                  |
| Result of surge voltage test                                                    | Test passed                                             |
| Result of power-frequency withstand voltage test                                | Test passed                                             |
| Checking the mechanical stability of terminal points (5 x conductor connection) | Test passed                                             |
| Bending test rotation speed                                                     | 10 rpm                                                  |
| Bending test turns                                                              | 135                                                     |
| Bending test conductor cross section/weight                                     | 25 mm <sup>2</sup> / 4.5 kg                             |
|                                                                                 | 95 mm <sup>2</sup> /14 kg                               |
| Result of bending test                                                          | Test passed                                             |
| Conductor cross section tensile test                                            | 25 mm <sup>2</sup>                                      |
| Tractive force setpoint                                                         | 135 N                                                   |
| Conductor cross section tensile test                                            | 95 mm <sup>2</sup>                                      |
| Tractive force setpoint                                                         | 351 N                                                   |
| Tensile test result                                                             | Test passed                                             |
| Setpoint                                                                        | 15 N                                                    |
| Result of tight fit test                                                        | Test passed                                             |
| Requirements, voltage drop                                                      | ≤ 3.2 mV                                                |
| Result of voltage drop test                                                     | Test passed                                             |
| Temperature-rise test                                                           | Test passed                                             |
| Conductor cross section short circuit testing                                   | 95 mm <sup>2</sup>                                      |
| Short-time current                                                              | 11.4 kA                                                 |
| Short circuit stability result                                                  | Test passed                                             |

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### General

|                                                                       |                                                |
|-----------------------------------------------------------------------|------------------------------------------------|
| Ageing test for screwless modular terminal block temperature cycles   | 192                                            |
| Result of aging test                                                  | Test passed                                    |
| Proof of thermal characteristics (needle flame) effective duration    | 30 s                                           |
| Result of thermal test                                                | Test passed                                    |
| Test specification, oscillation, broadband noise                      | DIN EN 50155 (VDE 0115-200):2008-03            |
| Test spectrum                                                         | Service life test category 2, bogie mounted    |
| Test frequency                                                        | $f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$ |
| ASD level                                                             | $6.12 \text{ (m/s}^2\text{)}^2/\text{Hz}$      |
| Acceleration                                                          | 3.12 g                                         |
| Test duration per axis                                                | 5 h                                            |
| Test directions                                                       | X-, Y- and Z-axis                              |
| Oscillation, broadband noise test result                              | Test passed                                    |
| Test specification, shock test                                        | DIN EN 50155 (VDE 0115-200):2008-03            |
| Shock form                                                            | Half-sine                                      |
| Acceleration                                                          | 30g                                            |
| Shock duration                                                        | 18 ms                                          |
| Number of shocks per direction                                        | 3                                              |
| Test directions                                                       | X-, Y- and Z-axis (pos. and neg.)              |
| Shock test result                                                     | Test passed                                    |
| Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21)) | 125 °C                                         |
| Static insulating material application in cold                        | -60 °C                                         |

### Dimensions

|                 |          |
|-----------------|----------|
| Width           | 25 mm    |
| Length          | 105.5 mm |
| Height NS 35/15 | 108.7 mm |

### Connection data

|                                            |                    |
|--------------------------------------------|--------------------|
| Connection in acc. with standard           | IEC 60947-7-1      |
| Connection method                          | Push-in connection |
| Conductor cross section solid min.         | 25 mm <sup>2</sup> |
| Conductor cross section solid max.         | 95 mm <sup>2</sup> |
| Conductor cross section AWG/kcmil min.     | 4                  |
| Conductor cross section AWG/kcmil max      | 3/0                |
| Conductor cross section stranded min.      | 25 mm <sup>2</sup> |
| Conductor cross section stranded max.      | 95 mm <sup>2</sup> |
| Min. AWG conductor cross section, stranded | 4                  |
| Max. AWG conductor cross section, stranded | 4/0                |

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## Technical data

### Connection data

|                                                                            |                    |
|----------------------------------------------------------------------------|--------------------|
| Conductor cross section stranded, with ferrule without plastic sleeve min. | 25 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule without plastic sleeve max. | 95 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule with plastic sleeve min.    | 25 mm <sup>2</sup> |
| Conductor cross section stranded, with ferrule with plastic sleeve max.    | 95 mm <sup>2</sup> |
| Cross section with insertion bridge, solid max.                            | 95 mm <sup>2</sup> |
| Cross section with insertion bridge, stranded max.                         | 70 mm <sup>2</sup> |
| Cross section with insertion bridge, solid max.                            | 95 mm <sup>2</sup> |
| Cross section with insertion bridge, stranded max.                         | 70 mm <sup>2</sup> |
| Stripping length                                                           | 40 mm              |

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27141120 |
| eCl@ss 4.1 | 27141120 |
| eCl@ss 5.0 | 27141120 |
| eCl@ss 5.1 | 27141120 |
| eCl@ss 6.0 | 27141120 |
| eCl@ss 7.0 | 27141120 |
| eCl@ss 8.0 | 27141120 |

### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC000897 |
| ETIM 4.0 | EC000897 |
| ETIM 5.0 | EC000897 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211811 |
| UNSPSC 7.0901 | 39121410 |
| UNSPSC 11     | 39121410 |
| UNSPSC 12.01  | 39121410 |
| UNSPSC 13.2   | 39121410 |

## Approvals

### Approvals

# High-current terminal block - PTPOWER 95-FE - 3260139

## Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approvals submitted

## Approval details

|                                                                                                 |        |
|-------------------------------------------------------------------------------------------------|--------|
| UL Recognized  |        |
| mm²/AWG/kcmil                                                                                   | 4-4/0  |
| Nominal current IN                                                                              | 230 A  |
| Nominal voltage UN                                                                              | 1000 V |

|                                                                                                    |        |
|----------------------------------------------------------------------------------------------------|--------|
| cUL Recognized  |        |
|                                                                                                    | C      |
| mm²/AWG/kcmil                                                                                      | 4-4/0  |
| Nominal current IN                                                                                 | 230 A  |
| Nominal voltage UN                                                                                 | 1000 V |

|     |
|-----|
| EAC |
|-----|

|                                                                                                      |
|------------------------------------------------------------------------------------------------------|
| cULus Recognized  |
|------------------------------------------------------------------------------------------------------|

## Drawings

Circuit diagram





Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



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