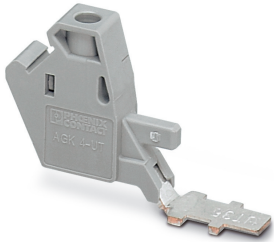


## Pick-off terminal block - AGK 4-UT 35 - 3047138

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Pick-off terminal block, nom. voltage: 1000 V, nominal current: 32 A, connection method: Screw connection, number of connections: 1, cross section: 0.14 mm<sup>2</sup> - 6 mm<sup>2</sup>, AWG: 26 - 10, width: 8.1 mm, height: 25.7 mm, color: gray, mounting type: on base element

### Your advantages

- ✓ Large-surface marking
- ✓ The fully insulated, optional use pick-off terminal block enables voltage pick-off
- ✓ Pick-off terminal block, for snapping into the lateral guide



### Key Commercial Data

|                                      |   |
|--------------------------------------|---|
| Packing unit                         | 1 pc  |
| GTIN                                 | <br>4 046356 055901 |
| GTIN                                 | 4046356055901   |
| Weight per Piece (excluding packing) | 6.410 g   |
| Custom tariff number                 | 85369010  |
| Country of origin                    | Poland  |

### Technical data

#### General

|  |                   |
|--|-------------------|
| Color                                  | gray              |
| Insulating material                    | PA                |
| Nominal cross section                  | 4 mm <sup>2</sup> |
| Flammability rating according to UL 94 | V0                |
| Rated surge voltage                    | 8 kV              |
| Overvoltage category                   | III               |

## Pick-off terminal block - AGK 4-UT 35 - 3047138

### Technical data

#### General

|   |   |
|---|---|
| Insulating material group   | I   |
| Maximum power dissipation for nominal condition   | 1.02 W  |
| Connection in acc. with standard  | IEC/EN 60079-7  |
| Nominal current $I_N$   | 32 A (with 4 mm <sup>2</sup> conductor cross section) |
| Maximum load current  | 41 A (with 6 mm <sup>2</sup> conductor cross section) |
| Nominal voltage $U_N$   | 1000 V  |
| Open side panel   | No  |
| Result of surge voltage test  | Test passed   |
| Surge voltage test setpoint   | 9.8 kV  |
| Result of power-frequency withstand voltage test  | Test passed   |
| Power frequency withstand voltage setpoint  | 2.2 kV  |
| Result of the test for mechanical stability of terminal points (5 x conductor connection) | Test passed   |
| Result of flexion and pull-out test   | Test passed   |
| Bending test rotation speed   | 10 rpm  |
| Bending test turns  | 135   |
| Bending test conductor cross section/weight   | 0.14 mm <sup>2</sup> / 0.2 kg                         |
|   | 4 mm <sup>2</sup> / 0.9 kg                            |
|   | 6 mm <sup>2</sup> / 1.4 kg                            |
| Tensile test result   | Test passed   |
| Conductor cross section tensile test  | 0.14 mm <sup>2</sup>                                  |
| Tractive force setpoint   | 10 N  |
| Conductor cross section tensile test  | 4 mm <sup>2</sup>                                     |
| Tractive force setpoint   | 60 N  |
| Conductor cross section tensile test  | 6 mm <sup>2</sup>                                     |
| Tractive force setpoint   | 80 N  |
| Result of tight fit on support  | Test passed   |
| Tight fit on carrier  | NS 35   |
| Setpoint  | 1 N   |
| Result of voltage-drop test   | Test passed   |
| Requirements, voltage drop  | ≤ 3.2 mV  |
| Result of temperature-rise test   | Test passed   |
| Short circuit stability result  | Test passed   |
| Conductor cross section short circuit testing   | 4 mm <sup>2</sup>                                     |
| Short-time current  | 0.48 kA   |
| Conductor cross section short circuit testing   | 6 mm <sup>2</sup>                                     |
| Short-time current  | 0.72 kA   |

## Pick-off terminal block - AGK 4-UT 35 - 3047138

### Technical data

#### General

|   |             |
|---|-------------|
| Result of thermal test  | Test passed |
| Proof of thermal characteristics (needle flame) effective duration      | 30 s        |
| Relative insulation material temperature index (Elec., UL 746 B)        | 130 °C      |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 130 °C      |
| Static insulating material application in cold                          | -60 °C      |
| Surface flammability NFPA 130 (ASTM E 162)                              | passed      |
| Specific optical density of smoke NFPA 130 (ASTM E 662)                 | passed      |
| Smoke gas toxicity NFPA 130 (SMP 800C)                                  | passed      |
| Calorimetric heat release NFPA 130 (ASTM E 1354)                        | 28 MJ/kg    |
| Fire protection for rail vehicles (DIN EN 45545-2) R22                  | HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R23                  | HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R24                  | HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R26                  | HL 1 - HL 3 |

#### Dimensions

|                  |         |
|------------------|---------|
| Length           | 42.4 mm |
| Height NS 35/7,5 | 65.7 mm |
| Height NS 35/15  | 73.2 mm |
| Width            | 8.1 mm  |

#### Connection data

|   |                      |
|---|----------------------|
| Conductor cross section solid min.  | 0.14 mm <sup>2</sup> |
| Conductor cross section solid max.  | 6 mm <sup>2</sup>    |
| Conductor cross section flexible min.   | 0.14 mm <sup>2</sup> |
| Conductor cross section flexible max.   | 4 mm <sup>2</sup>    |
| Conductor cross section AWG min.  | 26                   |
| Conductor cross section AWG max.  | 10                   |
| Conductor cross section flexible, with ferrule without plastic sleeve min.                            | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule without plastic sleeve max.                            | 4 mm <sup>2</sup>    |
| Conductor cross section flexible, with ferrule with plastic sleeve min.                               | 0.25 mm <sup>2</sup> |
| Conductor cross section flexible, with ferrule with plastic sleeve max.                               | 4 mm <sup>2</sup>    |
| 2 conductors with same cross section, solid min.  | 0.14 mm <sup>2</sup> |
| 2 conductors with same cross section, solid max.  | 1.5 mm <sup>2</sup>  |
| 2 conductors with same cross section, stranded min.   | 0.14 mm <sup>2</sup> |
| 2 conductors with same cross section, stranded max.   | 1.5 mm <sup>2</sup>  |
| Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, minimum | 0.25 mm <sup>2</sup> |
| Two conductors with the same cross section stranded, with ferrule and without plastic sleeve, maximum | 1.5 mm <sup>2</sup>  |

# Pick-off terminal block - AGK 4-UT 35 - 3047138

## Technical data

### Connection data

|                           |                  |
|---------------------------|------------------|
| Connection method         | Screw connection |
| Stripping length          | 9 mm             |
| Internal cylindrical gage | A4               |
| Screw thread              | M3               |
| Tightening torque, min    | 0.6 Nm           |
| Tightening torque max     | 0.8 Nm           |

### Ambient conditions

|  |   |
|--|---|
| Operating temperature                    | -60 °C ... 105 °C (max. short-term operating temperature 130°C)           |
| Ambient temperature (storage/transport)  | -25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C) |
| Permissible humidity (storage/transport) | 30 % ... 70 %   |
| Ambient temperature (assembly)           | -5 °C ... 70 °C   |
| Ambient temperature (actuation)          | -5 °C ... 70 °C   |

### Standards and Regulations

|  |                |
|--|----------------|
| Connection in acc. with standard       | CUL            |
|  | IEC/EN 60079-7 |
| Flammability rating according to UL 94 | V0             |

### Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally Friendly Use Period = 50 years  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Drawings

Circuit diagram



## Classifications

eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27141151 |
| eCl@ss 11.0   | 27141151 |
| eCl@ss 4.0    | 27141100 |
| eCl@ss 4.1    | 27141100 |
| eCl@ss 5.0    | 27141100 |
| eCl@ss 5.1    | 27141100 |
| eCl@ss 6.0    | 27141100 |

# Pick-off terminal block - AGK 4-UT 35 - 3047138

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 7.0 | 27141151 |
| eCl@ss 9.0 | 27141151 |

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000897 |
| ETIM 3.0 | EC000897 |
| ETIM 4.0 | EC000897 |
| ETIM 6.0 | EC002021 |
| ETIM 7.0 | EC002021 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211811 |
| UNSPSC 7.0901 | 39121410 |
| UNSPSC 11     | 39121410 |
| UNSPSC 12.01  | 39121410 |
| UNSPSC 13.2   | 39121402 |
| UNSPSC 18.0   | 39121402 |
| UNSPSC 19.0   | 39121402 |
| UNSPSC 20.0   | 39121402 |
| UNSPSC 21.0   | 39121402 |

## Approvals

### Approvals

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#### Approvals

UL Recognized / cUL Recognized / cULus Recognized

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#### Ex Approvals

IECEX / UL Recognized / cUL Recognized / NEPSI / ATEX / CCC / EAC Ex / cULus Recognized

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### Approval details

# Pick-off terminal block - AGK 4-UT 35 - 3047138

## Approvals

|                            |       |   |              |
|----------------------------|-------|---|--------------|
| UL Recognized              |       | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 60425 |
|                            | B     | C   |              |
| Nominal voltage UN         | 600 V | 600 V   |              |
| Nominal current IN         | 30 A  | 30 A  |              |
| mm <sup>2</sup> /AWG/kcmil | 26-10 | 26-10   |              |

|                            |       |   |              |
|----------------------------|-------|---|--------------|
| cUL Recognized             |       | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 60425 |
|                            | B     | C   |              |
| Nominal voltage UN         | 600 V | 600 V   |              |
| Nominal current IN         | 30 A  | 30 A  |              |
| mm <sup>2</sup> /AWG/kcmil | 26-10 | 26-10   |              |

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

## Accessories

### Accessories

#### Screwdriver tools

Screwdriver - SZS 0,6X3,5 VDE - 1212602



Screwdriver, slot-headed, VDE insulated, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

Screwdriver - SZF 1-0,6X3,5 - 1204517



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

## Pick-off terminal block - AGK 4-UT 35 - 3047138

### Accessories

Screwdriver - SF-SL 0,6X3,5-100 - 1212549



Screwdriver, bladed (lasered), size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip