

# Q 0,75/3A50/9-M16KU-ESA - Panel feed-through



1640757

<https://www.phoenixcontact.com/us/products/1640757>

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QUICKON panel feed-through, for the front wall assembly with 50 cm long wires, 3-pos.



## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1640757       |
| Packing unit                         | 10 pc         |
| Minimum order quantity               | 1 pc          |
| Sales key                            | BF50          |
| Product key                          | AF6HAA        |
| GTIN                                 | 4017918177416 |
| Weight per piece (including packing) | 33.59 g       |
| Weight per piece (excluding packing) | 33.59 g       |
| Customs tariff number                | 85369010      |
| Country of origin                    | PL            |

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## Technical data

### Product properties

|                                    |                    |
|------------------------------------|--------------------|
| Product type                       | Panel feed-through |
| Number of positions                | 3                  |
| Position marking                   | 1, 2, 3            |
| Number of connections              | 3                  |
| Number of connections per position | 1                  |
| Shielded                           | no                 |

### Insulation characteristics

|                      |     |
|----------------------|-----|
| Overvoltage category | III |
| Degree of pollution  | 3   |

### Connection data

#### Connection technology

|                                                                       |                                                                                          |
|-----------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Connection method On the device side                                  | Single wires                                                                             |
| Frequency of connections between conductors of the same cross section | 10 (if the conductor is connected more than once, seal and cap may need to be replaced.) |

#### Conductor connection

|                                   |                       |
|-----------------------------------|-----------------------|
| Conductor cross-section flexibel  | 0.34 mm² ... 0.75 mm² |
| Conductor cross-section solid     | 0.34 mm² ... 0.75 mm² |
| Connection cross section AWG      | 18 ... 16             |
| Tightening torque Union nut       | 2.5 Nm                |
| Tightening torque Contact carrier | 3.75 Nm               |
| Tightening torque Locking nut     | 3.75 Nm               |
| Wrench size Union nut             | 19 mm                 |
| Wrench size Contact carrier       | 19 mm                 |

#### Connection assignment

|                                                           |        |
|-----------------------------------------------------------|--------|
| Contact   Color (signal designation)   Contact (optional) | 1   BN |
|                                                           | 2   WH |
|                                                           | 3   BU |

## Dimensions

|                     |  |
|---------------------|--|
| Dimensional drawing |  |
|---------------------|--|

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|        |         |
|--------|---------|
| Width  | 19 mm   |
| Height | 19 mm   |
| Length | 41.3 mm |

## Electrical properties

|                             |                                |
|-----------------------------|--------------------------------|
| Rated surge voltage (III/3) | 4 kV                           |
| Contact resistance          | < 3 mΩ                         |
| rated voltage (II/2)        | 320 V (with insulating sleeve) |
| rated voltage (III/2)       | 160 V (with insulating sleeve) |
| Rated voltage (III/3)       | 160 V (with insulating sleeve) |
| Nominal voltage $U_N$       | 160 V AC                       |
|                             | 160 V DC                       |
| Nominal current $I_N$       | 9 A                            |

## Material specifications

|                                        |                  |
|----------------------------------------|------------------|
| Color (Housing)                        | green (RAL 6021) |
| Material Housing                       | PA               |
| Material Contact                       | Cu alloy         |
| Material Contact surface               | Sn               |
| Flammability rating according to UL 94 | V0               |
| Material wire insulation               | PVC / PE         |

## Cable/line

|                                                                             |                                                                                  |
|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Cable length                                                                | 0.5 m                                                                            |
| Structure of individual litz in acc. with VDE 0295 / smallest wire diameter | Class 2-6 // 0.34 mm <sup>2</sup> : 0.1 mm; 0.5 - 0.75 mm <sup>2</sup> : 0.15 mm |
| Wire diameter including insulation                                          | 2.5 mm                                                                           |
| Position marking                                                            | 1, 2, 3                                                                          |
| Cable cross section                                                         | 0.75 mm <sup>2</sup>                                                             |

## Mounting

|               |                                                                                                                                               |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Mounting type | Front mounting M16                                                                                                                            |
| Assembly note | If the conductor is reconnected, it must be cut off above the last contact point. QUICKON components may only be operated when under no load. |

## Environmental and real-life conditions

### Ambient conditions

|                                      |                                                                                                                     |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Degree of protection                 | IP65                                                                                                                |
|                                      | IP67                                                                                                                |
| Impact strength                      | IK06                                                                                                                |
| Ambient temperature (operation)      | -25 °C ... 80 °C (Specifications of the cable manufacturer must be observed.)                                       |
|                                      | -25 °C ... 50 °C (when the conductor is connected. Specifications of the cable manufacturer must also be observed.) |
| Temperature when conductor connected | -5 °C ... 50 °C                                                                                                     |

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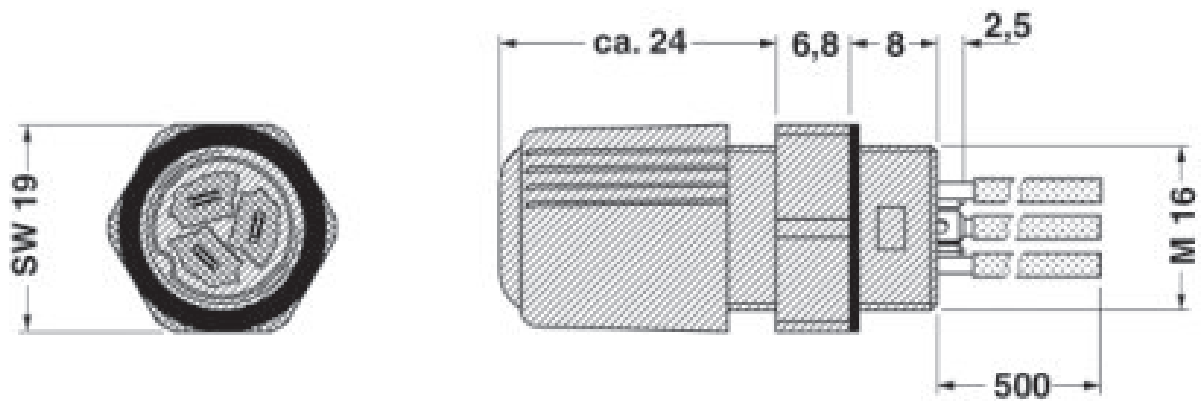


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## Drawings

### Dimensional drawing



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## Approvals

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|  <b>cUL Recognized</b><br>Approval ID: E118976 |                                |                                |                   |                               |
|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|-------------------|-------------------------------|
|                                                                                                                                 | Nominal voltage U <sub>N</sub> | Nominal current I <sub>N</sub> | Cross section AWG | Cross section mm <sup>2</sup> |
| keine                                                                                                                           |                                |                                |                   |                               |
|                                                                                                                                 | 250 V                          | 6 A                            | -                 | -                             |

|  <b>UL Recognized</b><br>Approval ID: E118976 |                                |                                |                   |                               |
|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|-------------------|-------------------------------|
|                                                                                                                                | Nominal voltage U <sub>N</sub> | Nominal current I <sub>N</sub> | Cross section AWG | Cross section mm <sup>2</sup> |
| keine                                                                                                                          |                                |                                |                   |                               |
|                                                                                                                                | 250 V                          | 9 A                            | -                 | -                             |

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27440602 |
| ECLASS-15.0 | 27440602 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC002566 |
|-----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121500 |
|-------------|----------|

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## Environmental product compliance

### EU RoHS

|                                         |                    |
|-----------------------------------------|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|-----------------------------------------|--------------------|

### China RoHS

|                                        |                                          |
|----------------------------------------|------------------------------------------|
| Environment friendly use period (EFUP) | EFUP-E                                   |
|                                        | No hazardous substances above the limits |

### EU REACH SVHC

|                                     |                            |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

### EF3.1 Climate Change

|         |                |
|---------|----------------|
| CO2e kg | 36.733 kg CO2e |
|---------|----------------|

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