

EC 6 BK - Europe connectors

3240173

<https://www.phoenixcontact.com/us/products/3240173>

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Polypropylene Europe terminal strip, black, for connecting solid conductors and stranded conductors with and without ferrules with a cross section of 0.75 to 6 mm²

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 3240173 |
| Packing unit | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | BE73 |
| Product key | BE7321 |
| GTIN | 4046356457804 |
| Weight per piece (including packing) | 25.37 g |
| Weight per piece (excluding packing) | 25.37 g |
| Customs tariff number | 85369010 |
| Country of origin | AT |

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Technical data

Product properties

| | |
|-----------------------|------------------|
| Product type | Europe connector |
| Number of positions | 12 |
| Pitch | 10 mm |
| Number of connections | 24 |
| Number of rows | 1 |

Electrical properties

| | |
|---|--------|
| Maximum power dissipation for nominal condition | 1.31 W |
|---|--------|

Connection data

| | |
|---|---|
| Nominal cross section | 6 mm ² |
| Connection method | Screw connection |
| Screw thread | M3 |
| Tightening torque | 0.5 ... 0.6 Nm |
| Stripping length | 6 mm |
| Conductor cross-section rigid | 0.75 mm ² ... 6 mm ² |
| Cross section AWG | 18 ... 10 (converted acc. to IEC) |
| Conductor cross-section flexible | 0.75 mm ² ... 6 mm ² |
| Conductor cross-section, flexible [AWG] | 18 ... 10 (converted acc. to IEC) |
| Conductor cross-section flexible (ferrule without plastic sleeve) | 0.75 mm ² ... 4 mm ² |
| Flexible conductor cross-section (ferrule with plastic sleeve) | 0.75 mm ² ... 2.5 mm ² |
| 2 conductors with same cross section, rigid | 0.75 mm ² ... 1.5 mm ² |
| 2 conductors with same cross section, flexible | 0.75 mm ² ... 1.5 mm ² |
| 2 conductors with same cross section, flexible, with ferrule without plastic sleeve | 0.5 mm ² ... 1 mm ² |
| 2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve | 0.5 mm ² ... 1 mm ² |
| Nominal cross section | 6 mm ² |
| Nominal current | 41 A (with 6 mm ² conductor cross-section) |
| Maximum load current | 41 A (with 6 mm ² conductor cross-section) |
| Nominal voltage | 450 V (Only use up to 250 V without securing.) |

Dimensions

| | |
|--------------------|---------|
| Width | 18.9 mm |
| Height | 14.9 mm |
| Depth | 18.9 mm |
| Drill hole spacing | 10 mm |
| Pitch | 10 mm |

Material specifications

| | |
|-------|-------|
| Color | black |
|-------|-------|

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| | |
|--|----|
| Flammability rating according to UL 94 | - |
| Insulating material | PP |

Mechanical properties

Mechanical data

| | |
|-----------------|----|
| Open side panel | No |
|-----------------|----|

Technical data

| | |
|--------------------|-------|
| Drill hole spacing | 10 mm |
|--------------------|-------|

Mounting

| | |
|---------------|-------------------------|
| Mounting type | direct screw connection |
|---------------|-------------------------|

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Classifications

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

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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 | 0.044 kg CO2e |
|---------|---------------|

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