



#### General ordering data

|                  |  |
|------------------|--|
| Order No.        | 0590160000   |
| Part designation | DK 4Q/35   |
| Version          | Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 35 |
| EAN              | 4008190103521  |
| Qty.             | 100 pc(s).   |

#### Product notes

|                      |  |
|----------------------|--|
| Note, technical data | With twin ferrules ZH 0.5 to ZH 2.5, rated voltage is 690 V. |
|----------------------|--|

#### Additional technical data

|  |                   |
|--|-------------------|
| Colour of insulating material                    | beige             |
| Connection direction                             | on side           |
| End plate required                               | Yes               |
| Explosion-tested version "Ex e"                  | Yes               |
| Installation advice                              | TS 35             |
| Insulating material                              | PA 66             |
| Levels cross-connected internally                | No                |
| No. of identical terminals                       | 1                 |
| No. of levels                                    | 2                 |
| No. of terminal strips per level                 | 2                 |
| Open sides                                       | right             |
| Operating temperature range                      | - 50 °C, + 100 °C |
| Type of connection                               | Screwed           |
| Type of mounting                                 | Snap-on           |
| UL 94 flammability rating of insulation material | V2                |
| Version  | Double terminal   |

#### CSA rating data

|                          |        |
|--------------------------|--------|
| Voltage (CSA)            | 300 V  |
| CSA current              | 10 A   |
| Min. cross-section (CSA) | AWG 26 |
| Max. cross-section (CSA) | AWG 12 |

#### Conductors for clamping (additional connection)

|  |                     |
|--|---------------------|
| Flexible with ferrule, min. (DIN 46228 pt 1) | 0.5 mm <sup>2</sup> |
| Flexible with ferrule, max. (DIN 46228 pt 1) | 2.5 mm <sup>2</sup> |

#### Conductors for clamping (rated connection)

|  |                      |
|--|----------------------|
| Clamping range, min.   | 0.13 mm <sup>2</sup> |
| Clamping range, max.   | 6 mm <sup>2</sup>    |
| Type of connection   | Screw connection     |
| 2nd type of connection                                       | screwed              |
| Connection direction   | on side              |
| No. of connections   | 4                    |
| Stripping length   | 8 mm                 |
| Clamping screw   | M 3                  |
| Blade size   | 0.6 x 3.5 mm         |
| Tightening torque range                                      | 0.5...0.8 Nm         |
| Torque level with DMS electric screwdriver                   | 2                    |
| Gauge to IEC 60947-1   | A3                   |
| Solid, min.  | 0.5 mm <sup>2</sup>  |
| Solid, max.  | 6 mm <sup>2</sup>    |
| Stranded, min.   | 0.5 mm <sup>2</sup>  |
| Stranded, max.   | 4 mm <sup>2</sup>    |
| Flexible, min.   | 0.5 mm <sup>2</sup>  |
| Flexible, max.   | 4 mm <sup>2</sup>    |
| Flexible with ferrule, min. (DIN 46228/1)                    | 0.5 mm <sup>2</sup>  |
| Flexible with ferrule, max. (DIN 46228/1)                    | 2.5 mm <sup>2</sup>  |
| Flexible, min., ferrule with plastic collar (DIN 46228 pt 4) | 0.5 mm <sup>2</sup>  |
| Flexible, max., ferrule with plastic collar (DIN 46228 pt 4) | 2.5 mm <sup>2</sup>  |
| Twin wire-end ferrule, min.                                  | 0.5 mm <sup>2</sup>  |
| Twin wire end ferrule, max.                                  | 1.5 mm <sup>2</sup>  |
| AWG conductor size, min.                                     | AWG 26               |
| AWG conductor size, max.                                     | AWG 12               |
| AWG conductor size, min.                                     | 0.13 mm <sup>2</sup> |
| AWG conductor size, max.                                     | 3.31 mm <sup>2</sup> |

#### Dimensions

|                          |         |
|--------------------------|---------|
| Width                    | 6 mm    |
| Height of lowest version | 60.5 mm |
| Length                   | 50 mm   |
| TS 35 offset             | 25 mm   |

#### Disconnect terminals

|  |   |
|--|---|
| Torque level with DMS electric screwdriver | 2 |
|--|---|

#### Rating data

|                             |                   |
|-----------------------------|-------------------|
| Rated cross-section         | 4 mm <sup>2</sup> |
| Rated voltage               | 500 V             |
| Rated impulse voltage       | 6 kV              |
| Rated current               | 32 A              |
| Standards                   | IEC 60947-7-1     |
| Current with max. conductor | 41 A              |
| Pollution severity          | 3                 |

#### UL rating data

|              |       |
|--------------|-------|
| Voltage (UL) | 300 V |
|--------------|-------|

#### UL rating data

|                         |        |
|-------------------------|--------|
| Current (UL)            | 27 A   |
| Min. cross-section (UL) | AWG 22 |
| Max. cross-section (UL) | AWG 12 |

#### Approvals

Approvals institutes



#### Downloads

|      |                                   |
|------|-----------------------------------|
| STEP | 0590160000_09841_DK_4Q-35_STP.stp |
|------|-----------------------------------|

#### Classifications

|            |             |
|------------|-------------|
| ETIM 2.0   | EC000897    |
| ETIM 3.0   | EC000897    |
| eClass 4.1 | 27-14-11-20 |
| eClass 5.0 | 27-14-11-20 |
| eClass 5.1 | 27-14-11-20 |

#### Similar products

| Order No.  | Part designation | Version  |
|------------|------------------|--|
| 0527660000 | DK 4/35          | Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 35 |
| 0527680000 | DK 4/35 BL       | Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, PA 66, blue, TS 35  |
| 0590180000 | DK 4Q/35 BL      | Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, PA 66, blue, TS 35  |
| 0363660000 | DK 4QV/35        | Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, PA 66, beige, TS 35 |
| 0363680000 | DK 4QV/35 BL     | Feed-through terminal, 4 mm <sup>2</sup> , Screw connection, PA 66, blue, TS 35  |