

WPD 105 1X35+1X16/2X25+3X16 RD**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Nos blocs de distribution WPD 1XX sont utilisés dans toutes les situations où de la puissance est fournie et distribuée. Leur design convivial offre un meilleur aperçu et permet une implémentation rapide et efficace de la distribution d'énergie en permettant de gagner de la place.

Informations générales de commande

| | |
|------------|---|
| Version | Blocs de jonction de distribution de potentiel, Raccordement vissé, Rouge, 2 14 A, 1000 V, Nombre d'étages: 1, Plaque de montage, TS 35, V-0, Weidmid |
| Référence | 2725310000 |
| Type | WPD 105 1X35+1X16/2X25+3X16 RD |
| GTIN (EAN) | 4050118796575 |
| Qté. | 1 pièce(s) |

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Caractéristiques techniques
Dimensions et poids

| | | | |
|------------|---------|---------------------|------------|
| Profondeur | 53,7 mm | Profondeur (pouces) | 2,114 inch |
| Hauteur | 70 mm | Hauteur (pouces) | 2,756 inch |
| Largeur | 35,6 mm | Largeur (pouces) | 1,402 inch |
| Poids net | 138 g | | |

Températures

| | | | |
|--|----------------|--|--------|
| Température de stockage | -25 °C...55 °C | Température d'utilisation permanente, min. | -50 °C |
| Température d'utilisation permanente, max. | 130 °C | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC000897 | ETIM 7.0 | EC000897 |
| ETIM 8.0 | EC000897 | ETIM 9.0 | EC000897 |
| ECLASS 9.0 | 27-14-11-20 | ECLASS 9.1 | 27-14-11-20 |
| ECLASS 10.0 | 27-14-11-20 | ECLASS 11.0 | 27-14-11-20 |
| ECLASS 12.0 | 27-14-11-20 | ECLASS 13.0 | 27-25-01-19 |

Caractéristiques nominales selon IECEx/ATEX

| | | | |
|-----------------------------------|--------------------|-----------------------|-------------------|
| Certificat N° (ATEX) | CNEX16ATEX0005U | Certificat N° (IECEX) | IECEXCNEX16.0005U |
| Tension max. (ATEX) | 690 V | Courant (ATEX) | 125 A |
| Section max. du conducteur (ATEX) | 35 mm ² | Tension max. (IECEX) | 690 V |
| Courant (IECEX) | 125 A | | |

Autres caractéristiques techniques

| | | | |
|--|-------|-----------------|-------|
| Côté ouvert | fermé | Type de montage | monté |
| Version à I#92épreuve de I#92explosion | Oui | | |

Caractéristiques des matériaux

| | | | |
|-------------------------------------|-------|---------|-------|
| Matériau | Wemid | Couleur | Rouge |
| Classe d'inflammabilité selon UL 94 | V-0 | | |

Caractéristiques du système

| | | | |
|---------------------------------------|--------------------|---------------------------------|--------------------------|
| Version | Raccordement vissé | Flasque de fermeture nécessaire | Non |
| Nombre de polarités | 1 | Nombre d'étages | 1 |
| Nombre de points de contact par étage | 2 | Nombre de potentiels par étage | 1 |
| Etages internes pontés | Oui | Rail | Plaque de montage, TS 35 |
| Fonction N | Oui | Fonction PE | Non |
| Fonction PEN | Non | | |

Caractéristiques nominales

| | | | |
|---------------------|------------------------|---------------------|---------|
| Tension nominale | 1 000 V | Tension nominale AC | 1 000 V |
| Tension nominale DC | 1 500 V | Courant nominal | 214 A |
| Normes | IEC 60947-7-1, UL 1059 | | |

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Caractéristiques techniques

Conducteur raccordable (autre raccordement)

Type de raccordement, autre raccorde-
ment Raccordement vissé

Généralités

| | | | |
|-----------------|--------------------------|--------|------------------------|
| Nombre de pôles | 1 | Normes | IEC 60947-7-1, UL 1059 |
| Rail | Plaque de montage, TS 35 | | |

Raccordement (raccordement nominal)

| | | | |
|----------------------|--------------|----------------------|--------------------|
| Sens de raccordement | latéralement | Type de raccordement | Raccordement vissé |
|----------------------|--------------|----------------------|--------------------|

Conformité environnementale du produit

| | |
|--|--------------------------------------|
| REACH SVHC | Lead 7439-92-1 |
| SCIP | e1c310ef-6b67-4efa-80a6-d307472f4de9 |
| Statut de conformité RoHS | Conforme avec exemption |
| Exemption RoHS (le cas échéant/connue) | 6c |

Note importante

Informations sur le produit L'alvéole de test respecte la classe d'inflammabilité V-2 selon UL94.

Agréments

Agréments



| | |
|------|----------|
| ROHS | Conforme |
|------|----------|

Téléchargements

| | |
|--|---|
| Agrément/Certificat/Document de conformité | Attestation of Conformity UKCA Ex Attestation of Conformity CB Certificate VDE Certificate DNV Certificate UKCA Ex Certificate CE Declaration of Conformity UKCA declaration of conformity Confirmation of Standards EN 45545-2_2020-10 |
| Données techniques | CAD data – STEP |
| Documentation utilisateur | DATA SHEET WPD 105 Manual - How to connect aluminum wires in WPD-Terminal blocks |
| Catalogue | Catalogues in PDF-format |

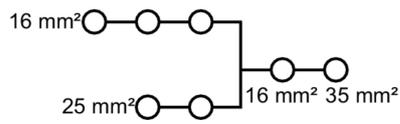
Fiche de données

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Dessins



Fiche de données

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Accessoires

Jeux de clés mâles

Clé mâle en acier chrome vanadium durci, fabriqué selon DIN ISO 2936 L (DIN 911), Traitement de surface de qualité.



Informations générales de commande

| | | | |
|------------|----------------------------|----------|--|
| Type | SKS 2,0-8,0 MR | Version | |
| Référence | 9008870000 | clé mâle | |
| GTIN (EAN) | 4032248266623 | | |
| Qté. | 1 pièce(s) | | |

Tournevis cruciforme, type Pozidrive



Tournevis cruciforme, type Pozidriv, SDK PZ DIN 5262, ISO 8764/2-PZ, emmanchement selon ISO 8764-PZ, pointe Chrom Top, poignée SoftFinish

Informations générales de commande

| | | | |
|------------|----------------------------|----------------------|--|
| Type | SDK PZ2 | Version | |
| Référence | 9008540000 | Tournevis, Tournevis | |
| GTIN (EAN) | 4032248056538 | | |
| Qté. | 1 pièce(s) | | |

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Accessoires**Connexion transversale****Informations générales de commande**

| | | |
|------------|----------------------------|---|
| Type | WQB WPD X05/2 | Version |
| Référence | 1561960000 | Connecteur transversal (bloc de jonction), enfiché, gris, 135 A, |
| GTIN (EAN) | 4050118367140 | Nombre de pôles: 2, Pas en mm (P): 35.60, Isolé: Oui, Largeur: 52.8 |
| Qté. | 20 pièce(s) | mm |
| Type | WQB WPD X05/3 | Version |
| Référence | 1561970000 | Connecteur transversal (bloc de jonction), enfiché, gris, 135 A, |
| GTIN (EAN) | 4050118367133 | Nombre de pôles: 3, Pas en mm (P): 35.60, Isolé: Oui, Largeur: 88.4 |
| Qté. | 20 pièce(s) | mm |

Power distribution

Screw connection

W-Series

WPD 105 1x35+1x16/2x25+3x16



| | |
|-------------------------------|-------------------|
| Width / Height / Depth | mm |
| max. current / max. conductor | A/mm ² |
| max. clamping range | mm ² |

Technical data

| | | |
|--|--------------------|-----------------|
| Rated data | | |
| Rated voltage | | V |
| Rated current | | A |
| for wire cross-section | 35 mm ² | mm ² |
| Rated impulse withstand voltage / Pollution severity | | |
| Overvoltage category / UL 94 flammability rating | | |
| Approvals | | |
| Clamped conductors (H05V/H07V) | | |
| Solid / Stranded | 35 mm ² | mm ² |
| | 25 mm ² | mm ² |
| | 16 mm ² | mm ² |
| Flexible with ferrule | 35 mm ² | mm ² |
| | 25 mm ² | mm ² |
| | 16 mm ² | mm ² |
| Stripping length / Blade size | 35 mm ² | mm/- |
| | 25 mm ² | mm/- |
| | 16 mm ² | mm/- |
| Tightening torque | | Nm |
| Note | | |

Ordering data

| | |
|----------------|-------|
| Version | |
| | grey |
| | blue |
| | red |
| | black |
| Note | |

Accessories

| | |
|-------------------------|------------|
| Cross connection | |
| | 2-pole |
| | 3-pole |
| End bracket | |
| | dark beige |
| | dark beige |
| Screwdriver | |
| | SET |

WPD 105

35 mm²


| | | | |
|------------------|--------------------|--------------------|--------------------|
| 35.6 / 53.7 / 70 | 16 mm ² | 16 mm ² | 16 mm ² |
| 125 / 35 | 25 mm ² | 16 mm ² | 35 mm ² |
| 2.5...35 | | | |

IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

| IEC | UL | CSA | EN 60079-7 |
|-----------|------------|------------|------------|
| 1000 | 600 | 600 | 690 |
| 125 | 115 | 85 | 125 |
| 35 | AWG 12...2 | AWG 12...2 | 35 |
| 8 kV / 3 | | | |
| III / V-0 | | | |

Rated connection

| |
|---------------------|
| 4...35 / 4...35 |
| 2.5...25 / 2.5...25 |
| 1.5...16 / 1.5...16 |
| 2.5...25 |
| 1.5...16 |
| 1.5...10 |
| 19 / M8 |
| 14 / M6 |
| 12 / M6 |

see appendix at the end of the chapter

| Type | Qty. | Order No. |
|--------------------------------|------|------------|
| WPD 105 1x35+1x16/2x25+3x16 GY | 1 | 1562170000 |
| WPD 105 1x35+1x16/2x25+3x16 BL | 1 | 2518540000 |
| WPD 105 1x35+1x16/2x25+3x16 RD | 1 | 2725310000 |
| WPD 105 1x35+1x16/2x25+3x16 BK | 1 | 2725410000 |

| Type | Qty. | Order No. |
|-------------------|------|------------|
| WQB WPD X05/2 | 20 | 1561960000 |
| WQB WPD X05/3 | 20 | 1561970000 |
| WEW 35/2 | 100 | 1061200000 |
| AEB 35 SC/1 | 50 | 1991920000 |
| SDK PZ2 X 100 | 1 | 2749450000 |
| SK WSD-S 1,5-10,0 | 1 | 9008850000 |

WPD 205

35 mm²


| | | | |
|------------------|--------------------|--------------------|--------------------|
| 71.2 / 53.7 / 70 | 16 mm ² | 16 mm ² | 16 mm ² |
| 125 / 35 | 25 mm ² | 16 mm ² | 35 mm ² |
| 2.5...35 | | | |

IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

| IEC | UL | CSA | EN 60079-7 |
|-----------|------------|------------|------------|
| 1000 | 600 | 600 | 690 |
| 125 | 115 | 85 | 125 |
| 35 | AWG 12...2 | AWG 12...2 | 35 |
| 8 kV / 3 | | | |
| III / V-0 | | | |

Rated connection

| |
|---------------------|
| 4...35 / 4...35 |
| 2.5...25 / 2.5...25 |
| 1.5...16 / 1.5...16 |
| 2.5...25 |
| 1.5...16 |
| 1.5...10 |
| 19 / M8 |
| 14 / M6 |
| 12 / M6 |

see appendix at the end of the chapter

| Type | Qty. | Order No. |
|-----------------------------|------|------------|
| WPD 205 2x35/4x25+6x16 2xGY | 1 | 1562180000 |
| WPD 205 2x35/4x25+6x16 2xBL | 1 | 2519470000 |
| WPD 205 2x35/4x25+6x16 2xRD | 1 | 2725320000 |
| WPD 205 2x35/4x25+6x16 2xBK | 1 | 2725420000 |

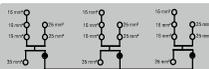
| Type | Qty. | Order No. |
|-------------------|------|------------|
| WEW 35/2 | 100 | 1061200000 |
| AEB 35 SC/1 | 50 | 1991920000 |
| SDK PZ2 X 100 | 1 | 2749450000 |
| SK WSD-S 1,5-10,0 | 1 | 9008850000 |

WPD 305

35 mm²



106.8 / 53.7 / 70
125 / 35
2.5...35



IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

| IEC | UL | CSA | EN 60079-7 |
|-----------|------------|------------|------------|
| 1000 | 600 | 600 | 690 |
| 125 | 115 | 85 | 125 |
| 35 | AWG 12...2 | AWG 12...2 | 35 |
| 8 kV / 3 | | | |
| III / V-0 | | | |

Rated connection

| |
|---------------------|
| 4...35 / 4...35 |
| 2.5...25 / 2.5...25 |
| 1.5...16 / 1.5...16 |
| 2.5...25 |
| 1.5...16 |
| 1.5...10 |
| 19 / M8 |
| 14 / M6 |
| 12 / M6 |

see appendix at the end of the chapter

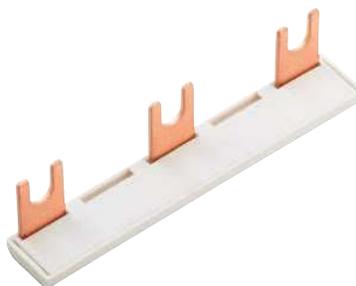
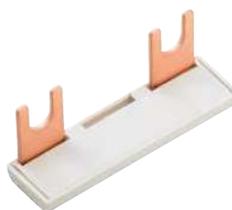


B



| Type | Qty. | Order No. |
|-----------------------------|------|------------|
| WPD 305 3x35/6x25+9x16 3xGY | 1 | 1562190000 |
| WPD 305 3x35/6x25+9x16 3xBL | 1 | 2521770000 |
| WPD 305 3x35/6x25+9x16 3xRD | 1 | 2725330000 |
| WPD 305 3x35/6x25+9x16 3xBK | 1 | 2725430000 |

| Type | Qty. | Order No. |
|-------------------|------|------------|
| WEW 35/2 | 100 | 1061200000 |
| AEB 35 SC/1 | 50 | 1991920000 |
| SDK P22 X 100 | 1 | 2749450000 |
| SK WSD-S 1,5-10,0 | 1 | 9008850000 |

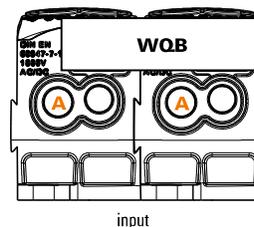
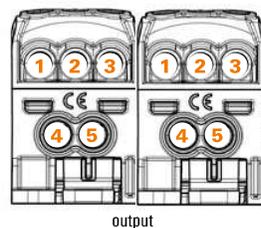


Power distribution
Screw connection

Conductor connection data according to IEC 60947-7-1 (Cu), UL 1059 (Cu+Al)

| Input | connection point A | | | |
|---------------------|--------------------|--------|------------|---------|
| | Copper | | Aluminium* | |
| | | | | |
| 35 mm ² | 3,5 Nm | 3,5 Nm | 11,3 Nm | 11,3 Nm |
| 25 mm ² | | | | |
| 16 mm ² | | | | |
| 10 mm ² | | | | |
| 6 mm ² | | | | |
| 4 mm ² | | | | |
| 2,5 mm ² | | | | |
| Stripping lengths | 19 mm | | | |
| Allen screw | M8 | | | |

* Values according to UL 1059



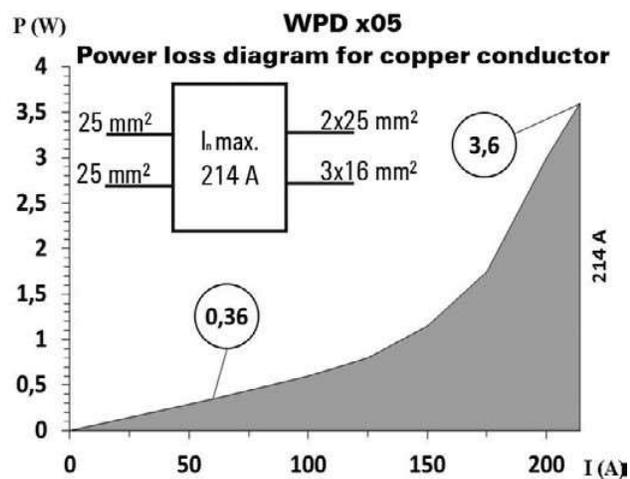
| Output | connection point 1/2/3 | | | | connection point 4/5 | | | | connection point B | | | |
|---------------------|------------------------|------|------------|--|----------------------|--------|------------|--------|--------------------|--------|------------|--|
| | Copper | | Aluminium* | | Copper | | Aluminium* | | Copper | | Aluminium* | |
| | | | | | | | | | | | | |
| 25 mm ² | 2 Nm | 2 Nm | 5,1 Nm | | 2,5 Nm | 2,5 Nm | 5,1 Nm | 5,1 Nm | 2,5 Nm | 2,5 Nm | 5,1 Nm | |
| 16 mm ² | | | | | | | | | | | | |
| 10 mm ² | | | | | | | | | | | | |
| 6 mm ² | | | | | | | | | | | | |
| 4 mm ² | | | | | | | | | | | | |
| 2,5 mm ² | | | | | | | | | | | | |
| 1,5 mm ² | | | | | | | | | | | | |
| Stripping lengths | 12 mm | | | | 14 mm | | | | 19 mm | | | |
| Allen screw | M6 | | | | M6 | | | | M6 | | | |

* Values according to UL 1059

B



- Stranded
- Solid
- Flexible with ferrule
- Sector shaped



UL Rating data according to UL 1059

| Certificate no. (UR) | | XCFR2.E60693 | | | |
|-----------------------|-----------|---|---|---|--|
| connection point A | | | | | |
| Input (line) | Copper | | Aluminium | | |
| | |  |  |  | |
| AWG 2 | 31 Lb In. | 31 Lb In. | 100 Lb In. | 100 Lb In. | |
| AWG 4 | | | | | |
| AWG 6 | | | | | |
| AWG 8 | | | | | |
| AWG 10 | | | | | |
| AWG 12 | | | | | |
| max. current | 115 A | 85 A | 90 A | 65 A | |
| Voltage size B,C (UR) | 600 V | | | | |

| output (load) | connection point 1/2/3 | | | | connection point 4/5 | | | | connection point B | | | |
|-----------------------|---|---|---|---|---|---|---|---|---|---|---|---|
| | Copper | | Aluminium | | Copper | | Aluminium | | Copper | | Aluminium | |
| |  |  |  |  |  |  |  |  |  |  |  |  |
| AWG 4 | 22.1 Lb In. | 22.1 Lb In. | 45.1 Lb In. | 22.1 Lb In. | 22.1 Lb In. | 22.1 Lb In. | 45.1 Lb In. | 45.1 Lb In. | 22.1 Lb In. | 22.1 Lb In. | 45.1 Lb In. | 45.1 Lb In. |
| AWG 6 | | | | | | | | | | | | |
| AWG 8 | | | | | | | | | | | | |
| AWG 10 | | | | | | | | | | | | |
| AWG 12 | | | | | | | | | | | | |
| AWG 14 | | | | | | | | | | | | |
| AWG 16 | | | | | | | | | | | | |
| max. current | 65 A | 50 A | 50 A | | 85 A | 65 A | 65 A | 50 A | 65 A | 50 A | 50 A | |
| Voltage size B,C (UR) | 600 V | | | | | | | | | | | |

 Stranded
  Solid
  Flexible with ferrule
  Sector shaped

CSA-Bemessungsdaten nach CSA 22.2 Nr. 158

| Certificate No. (CSA) | | 269832 | | | |
|-------------------------|-----------|-------------|-------------|-------------|--|
| | Input | | Output | | |
| | CP* A | CP* 1/2/3 | CP* 4/5 | CP*B | |
| AWG 4 | 31 Lb In. | 22.1 Lb In. | 22.1 Lb In. | 22.1 Lb In. | |
| AWG 4 | | | | | |
| AWG 6 | | | | | |
| AWG 8 | | | | | |
| AWG 10 | | | | | |
| AWG 12 | | | | | |
| AWG 14 | | | | | |
| AWG 16 | | | | | |
| max. current | 115 A | 85 A | 85 A | 85 A | |
| Voltage size C (CSA) | 600 V | | | | |
| * CP - connection point | | | | | |

B

