

WPD 109 1X185/2X35+3X25+4X16 GY**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Illustration du produit

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 | Série W, Bloc répartiteur, Section nominale: Raccordement vissé, Rail/plaque de montage |
| Référence | 1562090000 |
| Type | WPD 109 1X185/2X35+3X25+4X16 GY |
| GTIN (EAN) | 4050118384895 |
| Qté. | 1 pièce(s) |

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Caractéristiques techniques

Dimensions et poids

| | | | |
|------------|---------|---------------------|------------|
| Profondeur | 77 mm | Profondeur (pouces) | 3,031 inch |
| Hauteur | 95 mm | Hauteur (pouces) | 3,74 inch |
| Largeur | 51,1 mm | Largeur (pouces) | 2,012 inch |
| Poids net | 454 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 | 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 |

Caractéristiques nominales selon IECEx/ATEX

| | | | |
|-----------------------------------|---------------------|-----------------------|--------------------|
| Certificat N° (ATEX) | CNEX16ATEX0005U | Certificat N° (IECEX) | IECEXCNEX 16.0005U |
| Tension max. (ATEX) | 1100 V | Courant (ATEX) | 353 A |
| Section max. du conducteur (ATEX) | 185 mm ² | Tension max. (IECEX) | 1100 V |
| Courant (IECEX) | 353 A | | |

Autres caractéristiques techniques

| | | | |
|-----------------|-------|------------------------|------------------------|
| Côté ouvert | fermé | Instruction de montage | Rail/plaque de montage |
| Type de montage | monté | | |

Caractéristiques des matériaux

| | | | |
|-------------------------------------|-------|---------|------------|
| Matériau | Wemid | Couleur | Gris clair |
| 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 |
| Étages internes pontés | Oui | Raccordement PE | Non |
| 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 AC |
| Tension nominale DC | 1 500 V DC | Courant nominal | 490 A |
| Normes | IEC 60947-7-1, UL 1059 | | |

Caractéristiques nominales selon CSA

| | | | |
|---------------------------|----------|--|--|
| N° de certificat (cCSAus) | 70128467 | | |
|---------------------------|----------|--|--|

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WPD 109 1X185/2X35+3X25+4X16 GY

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 Germany

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Caractéristiques techniques**Caractéristiques nominales selon UL**

| | |
|-----------------------|--------|
| Certificat N° (cURus) | E60693 |
|-----------------------|--------|

Généralités

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

Raccordement (raccordement nominal)

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

Conformité environnementale du produit

| | |
|------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 9b5f0838-1f0b-4c14-9fc7-3f5e6ee75be2 |

Note importante

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

Agréments

Agréments



| | |
|-----------------------|-------------|
| ROHS | Conforme |
| UL File Number Search | Site Web UL |
| Certificat N° (cURus) | E60693 |

WPD 109 1X185/2X35+3X25+4X16 GY

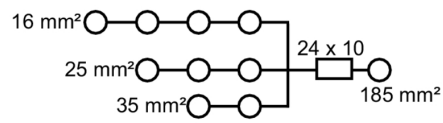
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Caractéristiques techniques

Téléchargements

| | |
|--|--|
| Agrément/Certificat/Document de conformité | Attestation of Conformity CB Certificate ATEX Certificate IECEX Certificate EAC certificate VDE Certificate EAC EX Certificate CCC Ex Certificate DNV Certificate UKCA Ex Certificate CE Declaration of Conformity CE Declaration of Conformity all terminals UKCA declaration of conformity |
| Données techniques | CAD data – STEP |
| Données techniques | WSCAD |
| Documentation utilisateur | StorageConditionsTerminalBlocks DATA SHEET WPD 109 NTI WPD 109 |
| Catalogue | Catalogues in PDF-format |
| Brochures | |

Fiche de données**WPD 109 1X185/2X35+3X25+4X16 GY****Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germanywww.weidmueller.com**Dessins**

Power distribution
Screw connection

W-Series

WPD 109 1X185/2X35+3X25+4X16 GY



WPD 109

185 mm²



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

| | |
|----------------|--|
| 55.1 / 77 / 95 | |
| 353 / 185 | |
| 50...185 | |

Technical data

| Rated data | |
|------------------------|-------------------------------------|
| Rated voltage | V |
| Rated current | A |
| for wire cross-section | 185 mm ² mm ² |

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

| IEC | UL | CSA | EN 60079-7 |
|-----------|------------------------|------------------------|------------|
| 1000 | 600 | 600 | 880 |
| 353 | 310 | 310 | 353 |
| 185 | AWG 2/0...kcmil 350 | AWG 2/0...kcmil 350 | 185 |
| 8 kV / 3 | | | |
| III / V-0 | | | |

Rated impulse withstand voltage / Pollution severity
Overvoltage category / UL 94 flammability rating
Approvals

Clamped conductors (H05V/H07V)

| Clamped conductors | mm ² | mm ² |
|-------------------------------|---------------------|-----------------|
| Solid / Stranded | 185 mm ² | mm ² |
| | 35 mm ² | mm ² |
| | 25 mm ² | mm ² |
| | 16 mm ² | mm ² |
| Flexible with ferrule | 185 mm ² | mm ² |
| | 35 mm ² | mm ² |
| | 25 mm ² | mm ² |
| | 16 mm ² | mm ² |
| Stripping length / Blade size | 185 mm ² | mm/- |
| | 35 mm ² | mm/- |
| | 25 mm ² | mm ² |
| | 16 mm ² | mm ² |

Bemessungsanschluss

| |
|---------------------|
| 70...185 / 70...185 |
| 4...35 / 4...35 |
| 2.5...25 / 2.5...25 |
| 1.5...16 / 1.5...16 |
| 50...150 |
| 2.5...25 |
| 1.5...16 |
| 1.5...10 |
| 27 / M14 |
| 18 / M8 |
| 12 / M6 |
| 12 / M6 |

siehe Anhang am Kapitelende

Tightening torque

Note

Ordering data

| Version | Color |
|---------|-------|
| | grey |
| | blue |
| | red |
| | black |

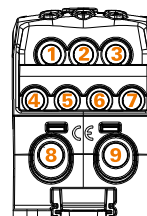
Note

| Type | Qty. | Order No. |
|---------------------------------|------|------------|
| WPD 109 1x185/2x35+3x25+4x16 GY | 1 | 1562090000 |
| WPD 109 1x185/2x35+3x25+4x16 BL | 1 | 2519490000 |
| WPD 109 1x185/2x35+3x25+4x16 RD | 1 | 2725270000 |
| WPD 109 1x185/2x35+3x25+4x16 BK | 1 | 2725370000 |

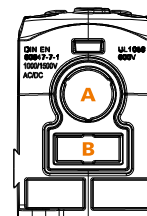
Accessories

| Cross connection | Quantity |
|------------------|------------|
| 2-pole | |
| End bracket | Color |
| | dark beige |
| | dark beige |
| Screwdriver | Set |
| | SET |

| Type | Qty. | Order No. |
|-------------------|------|------------|
| WQB WPD X08-09/2 | 20 | 1561900000 |
| 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 |



output



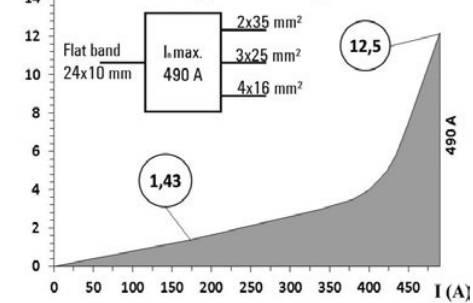
input

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

| Input | connection point A | | | | CP** B |
|---------------------|--------------------|-------|------------|---------|--------|
| | Copper | | Aluminium* | | Copper |
| 120 mm ² | | | | | |
| 95 mm ² | 19 Nm | 19 Nm | 22,6 Nm | 22,6 Nm | 3 Nm |
| 70 mm ² | | | | | |
| 50 mm ² | | | | | |
| 35 mm ² | | | | | |
| 25 mm ² | | | | | |
| Flat band 24x10mm | | | | | 22 mm |
| Stripping lengths | 27 mm | | | | M6 |
| Allen screw | M14 | | | | M6 |

* Values according to UL 1059 ** CP - connection point

WPD 109
Power loss diagram for copper conductor



| Output | connection point 1 / 2 / 3 | | | | connection point 4 / 5 / 6 / 7 | | | | connection point 8 / 9 | | | |
|---------------------|----------------------------|------|------------|--------|--------------------------------|------|------------|--------|------------------------|---------|------------|---------|
| | Copper | | Aluminium* | | Copper | | Aluminium* | | Copper | | Aluminium* | |
| 35 mm ² | | | | | | | | | | | | |
| 25 mm ² | 2 Nm | 2 Nm | 5,1 Nm | 5,1 Nm | 2 Nm | 2 Nm | 5,1 Nm | 2,5 Nm | 2,5 Nm | 11,3 Nm | 11,3 Nm | 11,3 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 | | | | 12 mm | | | | 18 mm | | | |
| Allen screw | M6 | | | | M6 | | | | M8 | | | |

* Values according to UL 1059



UL Rating data according to UL 1059

| Certificate no. (UR) | XCFR2.E60693 | | | | |
|-----------------------|--------------------|--------------|------------|------------|-------------|
| | connection point A | | | | CP* B |
| Input (line) | Copper | | Aluminium | | Copper |
| kcmil 250 | | | | | |
| AWG 4/0 | 168.2 Lb In. | 168.2 Lb In. | 200 Lb In. | 200 Lb In. | 17.7 Lb In. |
| AWG 3/0 | | | | | |
| AWG 2/0 | | | | | |
| AWG 1/0 | | | | | |
| AWG 2 | | | | | |
| AWG 4 | | | | | |
| Flat band 24x10 mm | | | | | |
| max. current | 250 A | 200 A | 155 A | 205 A | 250 A |
| Voltage size B,C (UR) | 600 V | | | | |

* CP - connection point

CSA rating data according to CSA 22.2 No. 158

| Certificate No. (CSA) | 269832 | | | |
|-----------------------|--------|-----------|-------------|-------|
| | Input | | Output | |
| | CP* A | CP* 1/2/3 | CP* 4/5/6/7 | CP* B |
| kcmil 250 | 19 Nm | | | |
| AWG 2 | 19 Nm | | | |
| AWG 4 | | 3 Nm | 3 Nm | 6 Nm |
| AWG 6 | | | | |
| AWG 8 | | | | |
| AWG 10 | | | | |
| AWG 12 | | | | |
| AWG 14 | | | | |
| AWG 16 | | | | |
| max. current | 255 A | 85 A | 65 A | 115 A |
| Voltage size C (CSA) | 600 V | | | |

* CP - connection point

| Output | connection point 1 / 2 / 3 | | | | connection point 4 / 5 / 6 / 7 | | | | connection point 8 / 9 | | | |
|-----------------------|----------------------------|-------------|-------------|-------------|--------------------------------|-------------|-------------|-------------|------------------------|------------|------------|------------|
| | Copper | | Aluminium | | Copper | | Aluminium | | Copper | | Aluminium | |
| AWG 2 | | | | | | | | | | | | |
| AWG 4 | 22.6 Lb In. | 22.6 Lb In. | 45.1 Lb In. | 45.1 Lb In. | 22.6 Lb In. | 22.6 Lb In. | 45.1 Lb In. | 53.1 Lb In. | 53.1 Lb In. | 100 Lb In. | 100 Lb In. | 100 Lb In. |
| AWG 6 | | | | | | | | | | | | |
| AWG 8 | | | | | | | | | | | | |
| AWG 10 | | | | | | | | | | | | |
| AWG 12 | | | | | | | | | | | | |
| AWG 14 | | | | | | | | | | | | |
| AWG 16 | | | | | | | | | | | | |
| max. current | 85 A | 65 A | 65 A | 50 A | 65 A | 50 A | 50 A | 115 A | 85 A | 90 A | 65 A | 65 A |
| Voltage size B,C (UR) | 600 V | | | | | | | | | | | |

