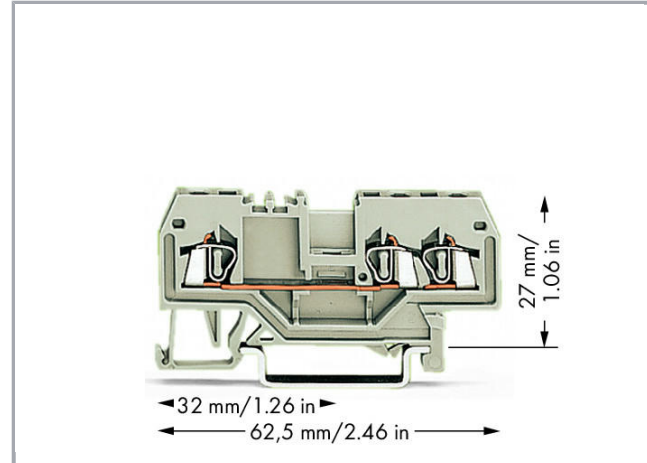
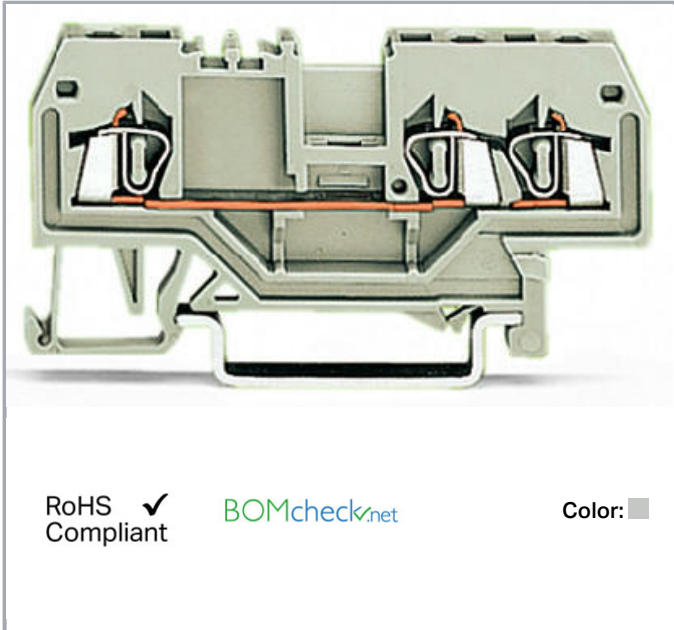


Data sheet | Item number: 279-993

3-conductor through terminal block; 1.5 mm²; suitable for Ex e II applications; center marking; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 1,50 mm²; light gray

www.wago.com/279-993



RoHS Compliant

BOMcheck.net

Color:

Data

Electrical data

Ratings per IEC/EN 60664-1

Ratings per

IEC/EN 60947-7-1

Approvals Ex

Rated voltage EN (Ex e II)

550 V

Rated current (Ex e II)

15 A

Connection data

Connection technology

CAGE CLAMP®

Actuation type

Operating tool

Connectable conductor materials

Copper

Solid conductor

0.08 ... 1.5 mm² / 28 ... 16 AWG

Fine-stranded conductor

0.08 ... 1.5 mm² / 28 ... 16 AWG

Subject to changes. Please also observe the further product documentation!

WAGO Kontakttechnik GmbH & Co. KG

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Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.



| | |
|-----------------------------------|---------------------------------|
| Strip length | 8 ... 9 mm / 0.31 ... 0.35 inch |
| Total number of connection points | 3 |
| Total number of potentials | 1 |
| Number of levels | 1 |
| Type of wiring | Front-entry wiring |

Geometrical Data

| | |
|---------------------------------------|----------------------|
| Width | 4 mm / 0.157 inch |
| Height from upper-edge of DIN-35 rail | 27 mm / 1.063 inch |
| Depth | 62.5 mm / 2.461 inch |

Mechanical data

| | |
|------------------|----------------|
| Design | horizontal |
| Type of mounting | DIN-35 rail |
| Marking level | Center marking |

Material Data


| | |
|---------------------|----------------------|
| Color | light gray |
| Insulating material | Polyamide 66 (PA 66) |
| Fire load | 0.104 MJ |
| Weight | 5.4 g |

Commercial data

| | |
|--------------------|---------------|
| Packaging type | BOX |
| Country of origin | DE |
| GTIN | 4044918650588 |
| Customs Tariff No. | 85369010000 |

Approvals / Certificates

Ex-Approvals



| Logo | Approval | Additional Approval Text | Certificate name |
|--|---|--------------------------|-------------------|
|  | AEx UL International Germany GmbH c/o Physikalisch Technische Bundesanstalt | UL 60079 | E185892 Sec.15 |

Country specific Approvals




Subject to changes. Please also observe the further product documentation!

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| Logo | Approval | Additional Approval Text | Certificate name |
|--|--|--------------------------|------------------|
|  | CCA DEKRA Certification B.V. | EN 60947 | NTR NL-7081 |
|  | KEMA/KEUR DEKRA Certification B.V. | EN 60947 | 2160584.04 |

Ship Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|---|---|--------------------------|------------------|
|  | ABS American Bureau of Shipping | - | 14-HG1293677-PDA |
|  | DNV GL Det Norske Veritas, Germanischer Lloyd | - | TAE00001V2 |
|  | LR Lloyds Register | EN 60947 | 91/20112 (E9) |

UL-Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|---|--------------------------|------------------|
|  | UR Underwriters Laboratories Inc. | UL 1059 | E45172 |

Counterpart


Compatible products

Subject to changes. Please also observe the further product documentation!


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End plate

| | | |
|--|---|--|
| | Item no.: 209-191 Separator for Ex e/Ex i applications; 3 mm thick; 120 mm wide; orange | www.wago.com/209-191 |
|  | Item no.: 279-341 End and intermediate plate; 2 mm thick; light gray | www.wago.com/279-341 |
| | Item no.: 279-342 Separator plate; 2 mm thick; oversized; light gray | www.wago.com/279-342 |

Insulation stop

| | | |
|--|--|--|
| | Item no.: 279-470 Insulation stop; 0.08 - 0.2 mm ² "s" (0.14 mm ² "f-st"); 5 pieces/strip; white | www.wago.com/279-470 |
|  | Item no.: 279-471 Insulation stop; 0.25 mm ² ; 5 pieces/strip; dark gray | www.wago.com/279-471 |





tools

| | | |
|--|--|--|
|  | Item no.: 210-647 Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft | www.wago.com/210-647 |
|  | Item no.: 210-648 Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; angled; short | www.wago.com/210-648 |
|  | Item no.: 210-719 Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft | www.wago.com/210-719 |








assembling

| | | |
|--|--|--|
| | Item no.: 209-106 Mounting carrier; for isolated mounting on DIN 35 rails; gray | www.wago.com/209-106 |
| | Item no.: 709-153 Cover; Type 1; suitable for cover carrier, type 1; 1 m long; transparent | www.wago.com/709-153 |






Jumper

| | | |
|--|---|--|
|  | Item no.: 210-103 Wire commoning chain; insulated; 50 connections; black | www.wago.com/210-103 |
|  | Item no.: 249-123 Push-in type wire jumper; insulated; wire length 180 mm; Conductor cross section 0.75 mm ² | www.wago.com/249-123 |
|  | Item no.: 249-125 Push-in type wire jumper; insulated; wire length 60 mm; Conductor cross section 0.75 mm ² | www.wago.com/249-125 |
|  | Item no.: 249-126 Push-in type wire jumper; insulated; wire length 110 mm; Conductor cross section 0.75 mm ² | www.wago.com/249-126 |










Subject to changes. Please also observe the further product documentation!

| | | |
|--|---|--|
|  | Item no.: 249-127 Push-in type wire jumper; insulated; wire length 250 mm; Conductor cross section 0.75 mm ² | www.wago.com/249-127 |
|  | Item no.: 279-402 Adjacent jumper; insulated; Nominal current 15 A; gray | www.wago.com/279-402 |
|  | Item no.: 279-409 Alternate jumper; insulated; Nominal current 15 A; gray | www.wago.com/279-409 |
|  | Item no.: 279-422 Adjacent jumper; insulated; Nominal current 15 A; yellow-green | www.wago.com/279-422 |
|  | Item no.: 279-482 Comb-style jumper bar; insulated; 2-way; IN = IN terminal block; gray | www.wago.com/279-482 |
|  | Item no.: 279-483 Comb-style jumper bar; insulated; 3-way; IN = IN terminal block; gray | www.wago.com/279-483 |
| | Item no.: 279-490 Comb-style jumper bar; insulated; 10-way; IN = IN terminal block; gray | www.wago.com/279-490 |
|  | Item no.: 279-492 Alternate comb-style jumper bar; insulated; 2-way; IN = IN terminal block; gray | www.wago.com/279-492 |

Marking accessories

| | | |
|--|--|--|
| | Item no.: 2009-114 WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; white | www.wago.com/2009-114 |
|  | Item no.: 2009-114/000-002 WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; yellow | www.wago.com/2009-114/000-002 |
| | Item no.: 2009-114/000-005 WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; red | www.wago.com/2009-114/000-005 |
|  | Item no.: 2009-114/000-006 WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; blue | www.wago.com/2009-114/000-006 |
|  | Item no.: 2009-114/000-007 WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; gray | www.wago.com/2009-114/000-007 |
|  | Item no.: 2009-114/000-012 WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; orange | www.wago.com/2009-114/000-012 |
|  | Item no.: 2009-114/000-023 WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; green | www.wago.com/2009-114/000-023 |

Subject to changes. Please also observe the further product documentation!

| | | |
|--|---|--|
|  | <p>Item no.: 2009-114/000-024 WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; violet</p> | www.wago.com/2009-114/000-024 |
|  | <p>Item no.: 209-128 Adaptor; gray</p> | www.wago.com/209-128 |
|  | <p>Item no.: 209-140 Group marker carrier; gray</p> | www.wago.com/209-140 |
|  | <p>Item no.: 209-141 Group marker carrier; gray</p> | www.wago.com/209-141 |
| | <p>Item no.: 209-142 Group marker carrier; gray</p> | www.wago.com/209-142 |
|  | <p>Item no.: 209-185 Adaptor; gray</p> | www.wago.com/209-185 |
| | <p>Item no.: 249-105 Group marker carrier; gray</p> | www.wago.com/249-105 |
|  | <p>Item no.: 793-4501 WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; white</p> | www.wago.com/793-4501 |
| | <p>Item no.: 793-4501/000-002 WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; yellow</p> | www.wago.com/793-4501/000-002 |
|  | <p>Item no.: 793-4501/000-005 WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; red</p> | www.wago.com/793-4501/000-005 |
| | <p>Item no.: 793-4501/000-006 WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; blue</p> | www.wago.com/793-4501/000-006 |
|  | <p>Item no.: 793-4501/000-007 WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; gray</p> | www.wago.com/793-4501/000-007 |
|  | <p>Item no.: 793-4501/000-012 WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; orange</p> | www.wago.com/793-4501/000-012 |
| | <p>Item no.: 793-4501/000-014 WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; brown</p> | www.wago.com/793-4501/000-014 |
| | <p>Item no.: 793-4501/000-017 WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; green</p> | www.wago.com/793-4501/000-017 |

Subject to changes. Please also observe the further product documentation!

Item no.: 793-4501/000-023
WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; light green

www.wago.com/793-4501/000-023



Item no.: 793-4501/000-024
WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; violet

www.wago.com/793-4501/000-024

Protective Warning Marker



Item no.: 279-415
Protective warning marker; with high-voltage symbol, black; for 5 terminal blocks; yellow

www.wago.com/279-415

ferrule

Item no.: 216-101
Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated

www.wago.com/216-101

Item no.: 216-102
Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated

www.wago.com/216-102

Item no.: 216-103
Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated

www.wago.com/216-103



Item no.: 216-201
Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white

www.wago.com/216-201



Item no.: 216-202
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray

www.wago.com/216-202



Item no.: 216-203
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red

www.wago.com/216-203

Item no.: 216-301
Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow

www.wago.com/216-301



Item no.: 216-302
Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; green

www.wago.com/216-302

Carrier rail

Item no.: 210-112
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm

www.wago.com/210-112

Item no.: 210-113
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715

www.wago.com/210-113

Item no.: 210-114
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715

www.wago.com/210-114



Item no.: 210-115
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm

www.wago.com/210-115

Item no.: 210-118
Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715

www.wago.com/210-118

Subject to changes. Please also observe the further product documentation!



| | |
|--|--|
| Item no.: 210-196 Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored | www.wago.com/210-196 |
| Item no.: 210-197 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715 | www.wago.com/210-197 |
| Item no.: 210-198 Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored | www.wago.com/210-198 |
| Item no.: 210-504 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715 | www.wago.com/210-504 |
| Item no.: 210-505 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715 | www.wago.com/210-505 |
| Item no.: 210-506 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715 | www.wago.com/210-506 |
| Item no.: 210-508 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715 | www.wago.com/210-508 |

Downloads

Documentation

Additional Information

| | | | |
|------------------------|-------------|---------------|----------|
| Technical explanations | Apr 3, 2019 | pdf 2.1 MB | Download |
|------------------------|-------------|---------------|----------|

CAD/CAE-Data

CAD data

| | | |
|----------------------|-----|----------|
| 2D/3D Models 279-993 | URL | Download |
|----------------------|-----|----------|

CAE data

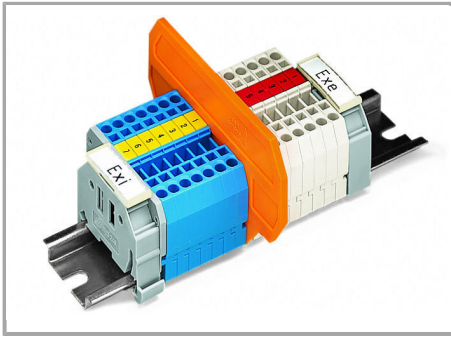
| | | |
|---------------------------|-----|----------|
| EPLAN Data Portal 279-993 | URL | Download |
|---------------------------|-----|----------|

| | | |
|------------------------|-----|----------|
| WSCAD Universe 279-993 | URL | Download |
|------------------------|-----|----------|

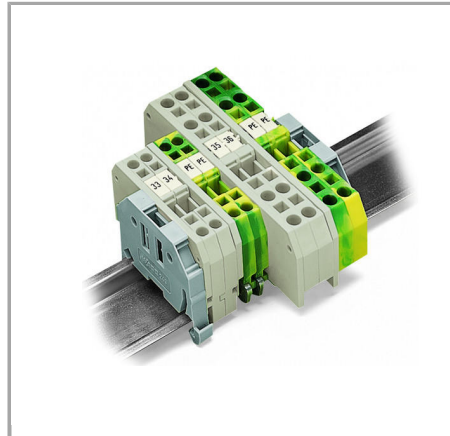
Installation Notes

Assembly

Subject to changes. Please also observe the further product documentation!



Separator for Ex e/Ex i applications



End and intermediate plate

According to EN 50020, a minimum distance of 50 mm must be kept between live parts of Ex e and Ex i circuits. The use of Ex e/Ex i separators is a space-saving solution when Ex e and Ex i terminal blocks are mounted on a common carrier rail.

In order to meet creepage and clearance requirements for Ex e applications, it is necessary to insert an end or intermediate plate between a through and a ground conductor terminal block.

Compatible with 279 to 282 Series:

209-190 for 2-conductor terminal blocks

209-191 for 2-, 3-, 4-conductor terminal blocks

Subject to changes. Please also observe the further product documentation!