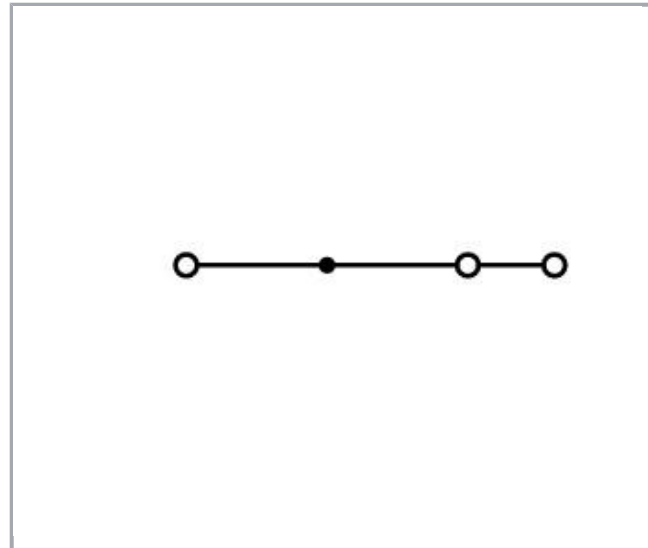
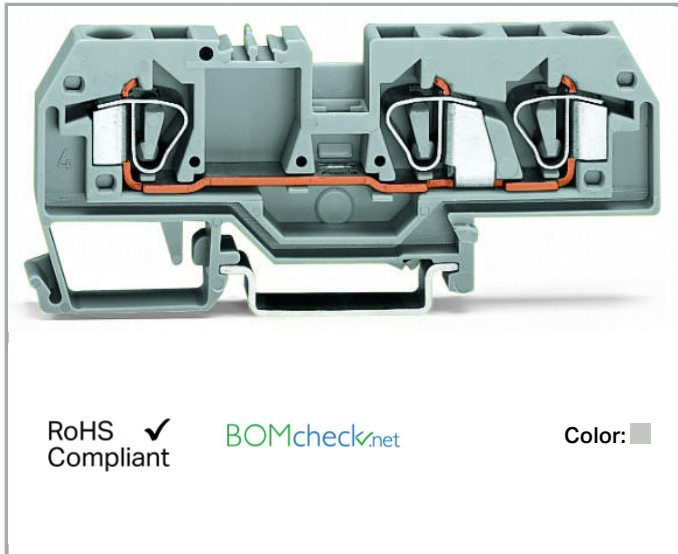


## Data sheet | Item number: 282-993

3-conductor through terminal block; 6 mm<sup>2</sup>; suitable for Ex e II applications; center marking; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 6,00 mm<sup>2</sup>; light gray



[www.wago.com/282-993](http://www.wago.com/282-993)



### 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)

39 A

#### Connection data

Connection technology

CAGE CLAMP®

Actuation type

Operating tool

Connectable conductor materials

Copper

Solid conductor

0,2 ... 6 mm<sup>2</sup> / 24 ... 10 AWG

Fine-stranded conductor

0,2 ... 6 mm<sup>2</sup> / 24 ... 10 AWG

Strip length

12 ... 13 mm / 0.47 ... 0.51 inch

Total number of connection points

3

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

WAGO Kontakttechnik GmbH & Co. KG

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32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169

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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.

Total number of potentials	1
Number of levels	1
Wiring type	Front-entry wiring

### Geometrical Data

Width	8 mm / 0.315 inch
Height from upper-edge of DIN-rail	32,5 mm / 1.28 inch
Depth	93 mm / 3.661 inch

### Mechanical data

Design	horizontal type
Mounting type	DIN-35 rail
Marking level	Center marking

### Material Data


Color	light gray
Insulation material	Polyamide 66 (PA 66)
Fire load	0.335 MJ
Weight	21.4 g

### Commercial data

Packaging type	BOX
Country of origin	DE
GTIN	4044918386203
Customs tariff number	85369010000

### Approvals / Certificates





#### Ex-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ATEX Physikalisch Technische Bundesanstalt (PTB)	-	PTB 98 ATEX 3131 U (II 2 G EEx e II)





#### Country specific Approvals

Certificate

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

Logo	Approval	Additional Approval Text	name
	CCA DEKRA Certification B.V.	EN 60947, IEC 60947	2195540.01
	CCA DEKRA Certification B.V.	EN 60947	NTR NL-7522
	CSA DEKRA Certification B.V.	C22.2 No. 158	1505033
	EAC Brjansker Zertifizierungsstelle	TP TC 012/2011	RU C-DE. AM02.B. 00127/19

## Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	EN 60947	20- HG1941090- PDA
	BV Bureau Veritas S.A.	EN 60947	07436/E0 BV
	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
	UL UL International Germany GmbH	UL 1059	20190731- E45172

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



## Counterpart

## Compatible products

### assembling



**Item no.: 209-106**  
Mounting carrier; for isolated mounting on DIN 35 rails; gray

[www.wago.com/209-106](http://www.wago.com/209-106)



**Item no.: 249-116**  
Screwless end stop; 6 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray

[www.wago.com/249-116](http://www.wago.com/249-116)



**Item no.: 709-153**  
Cover; Type 1; suitable for cover carrier, type 1; 1 m long; transparent

[www.wago.com/709-153](http://www.wago.com/709-153)

### tools



**Item no.: 210-721**  
Operating tool; Blade: 5.5 x 0.8 mm; with a partially insulated shaft

[www.wago.com/210-721](http://www.wago.com/210-721)

### General accessories



**Item no.: 709-310**  
B-type test plug module; modular; suitable for all WAGO 282 Series rail-mounted terminal blocks with jumper slots; 6,00 mm<sup>2</sup>; gray

[www.wago.com/709-310](http://www.wago.com/709-310)



**Item no.: 709-311**  
B-type spacer module; modular; e.g., for bridging commoned terminal blocks; gray

[www.wago.com/709-311](http://www.wago.com/709-311)

### 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](http://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](http://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](http://www.wago.com/210-114)
















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

	<b>Item no.: 210-115</b> Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm	<a href="http://www.wago.com/210-115">www.wago.com/210-115</a>
	<b>Item no.: 210-118</b> Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715	<a href="http://www.wago.com/210-118">www.wago.com/210-118</a>
	<b>Item no.: 210-196</b> Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored	<a href="http://www.wago.com/210-196">www.wago.com/210-196</a>
	<b>Item no.: 210-197</b> Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715	<a href="http://www.wago.com/210-197">www.wago.com/210-197</a>
	<b>Item no.: 210-198</b> Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored	<a href="http://www.wago.com/210-198">www.wago.com/210-198</a>
	<b>Item no.: 210-504</b> Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715	<a href="http://www.wago.com/210-504">www.wago.com/210-504</a>
	<b>Item no.: 210-505</b> Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715	<a href="http://www.wago.com/210-505">www.wago.com/210-505</a>
	<b>Item no.: 210-506</b> Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715	<a href="http://www.wago.com/210-506">www.wago.com/210-506</a>
	<b>Item no.: 210-508</b> Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715	<a href="http://www.wago.com/210-508">www.wago.com/210-508</a>













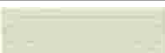
#### Marking accessories

	<b>Item no.: 2009-115</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white	<a href="http://www.wago.com/2009-115">www.wago.com/2009-115</a>
	<b>Item no.: 2009-115/000-002</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow	<a href="http://www.wago.com/2009-115/000-002">www.wago.com/2009-115/000-002</a>
	<b>Item no.: 2009-115/000-006</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue	<a href="http://www.wago.com/2009-115/000-006">www.wago.com/2009-115/000-006</a>
	<b>Item no.: 2009-115/000-007</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray	<a href="http://www.wago.com/2009-115/000-007">www.wago.com/2009-115/000-007</a>
	<b>Item no.: 2009-115/000-012</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange	<a href="http://www.wago.com/2009-115/000-012">www.wago.com/2009-115/000-012</a>
	<b>Item no.: 2009-115/000-017</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; light green	<a href="http://www.wago.com/2009-115/000-017">www.wago.com/2009-115/000-017</a>
















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

	<p><b>Item no.: 2009-115/000-023</b>                  WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green</p>	<p><a href="http://www.wago.com/2009-115/000-023">www.wago.com/2009-115/000-023</a></p>
	<p><b>Item no.: 2009-115/000-024</b>                  WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet</p>	<p><a href="http://www.wago.com/2009-115/000-024">www.wago.com/2009-115/000-024</a></p>
	<p><b>Item no.: 209-143</b>                  Group marker carrier; gray</p>	<p><a href="http://www.wago.com/209-143">www.wago.com/209-143</a></p>
	<p><b>Item no.: 209-144</b>                  Group marker carrier; gray</p>	<p><a href="http://www.wago.com/209-144">www.wago.com/209-144</a></p>
	<p><b>Item no.: 209-185</b>                  Adaptor; gray</p>	<p><a href="http://www.wago.com/209-185">www.wago.com/209-185</a></p>
	<p><b>Item no.: 249-105</b>                  Group marker carrier; gray</p>	<p><a href="http://www.wago.com/249-105">www.wago.com/249-105</a></p>
	<p><b>Item no.: 793-501</b>                  WMB marking card; as card; not stretchable; plain; snap-on type; white</p>	<p><a href="http://www.wago.com/793-501">www.wago.com/793-501</a></p>
	<p><b>Item no.: 793-501/000-002</b>                  WMB marking card; as card; not stretchable; plain; snap-on type; yellow</p>	<p><a href="http://www.wago.com/793-501/000-002">www.wago.com/793-501/000-002</a></p>
	<p><b>Item no.: 793-501/000-005</b>                  WMB marking card; as card; not stretchable; plain; snap-on type; red</p>	<p><a href="http://www.wago.com/793-501/000-005">www.wago.com/793-501/000-005</a></p>
	<p><b>Item no.: 793-501/000-006</b>                  WMB marking card; as card; not stretchable; plain; snap-on type; blue</p>	<p><a href="http://www.wago.com/793-501/000-006">www.wago.com/793-501/000-006</a></p>
	<p><b>Item no.: 793-501/000-007</b>                  WMB marking card; as card; not stretchable; plain; snap-on type; gray</p>	<p><a href="http://www.wago.com/793-501/000-007">www.wago.com/793-501/000-007</a></p>
	<p><b>Item no.: 793-501/000-012</b>                  WMB marking card; as card; not stretchable; plain; snap-on type; orange</p>	<p><a href="http://www.wago.com/793-501/000-012">www.wago.com/793-501/000-012</a></p>
	<p><b>Item no.: 793-501/000-017</b>                  WMB marking card; as card; not stretchable; plain; snap-on type; light green</p>	<p><a href="http://www.wago.com/793-501/000-017">www.wago.com/793-501/000-017</a></p>
	<p><b>Item no.: 793-501/000-023</b>                  WMB marking card; as card; not stretchable; plain; snap-on type; green</p>	<p><a href="http://www.wago.com/793-501/000-023">www.wago.com/793-501/000-023</a></p>
	<p><b>Item no.: 793-501/000-024</b>                  WMB marking card; as card; not stretchable; plain; snap-on type; violet</p>	<p><a href="http://www.wago.com/793-501/000-024">www.wago.com/793-501/000-024</a></p>

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

	<b>Item no.: 793-5501</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white	<a href="http://www.wago.com/793-5501">www.wago.com/793-5501</a>
	<b>Item no.: 793-5501/000-002</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; yellow	<a href="http://www.wago.com/793-5501/000-002">www.wago.com/793-5501/000-002</a>
	<b>Item no.: 793-5501/000-005</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; red	<a href="http://www.wago.com/793-5501/000-005">www.wago.com/793-5501/000-005</a>
	<b>Item no.: 793-5501/000-006</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; blue	<a href="http://www.wago.com/793-5501/000-006">www.wago.com/793-5501/000-006</a>
	<b>Item no.: 793-5501/000-007</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; gray	<a href="http://www.wago.com/793-5501/000-007">www.wago.com/793-5501/000-007</a>
	<b>Item no.: 793-5501/000-012</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; orange	<a href="http://www.wago.com/793-5501/000-012">www.wago.com/793-5501/000-012</a>
	<b>Item no.: 793-5501/000-014</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; brown	<a href="http://www.wago.com/793-5501/000-014">www.wago.com/793-5501/000-014</a>
	<b>Item no.: 793-5501/000-017</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; green	<a href="http://www.wago.com/793-5501/000-017">www.wago.com/793-5501/000-017</a>
	<b>Item no.: 793-5501/000-023</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; light green	<a href="http://www.wago.com/793-5501/000-023">www.wago.com/793-5501/000-023</a>
	<b>Item no.: 793-5501/000-024</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; violet	<a href="http://www.wago.com/793-5501/000-024">www.wago.com/793-5501/000-024</a>
<b>End plate</b>		
	<b>Item no.: 209-191</b> Separator for Ex e/Ex i applications; 3 mm thick; 120 mm wide; orange	<a href="http://www.wago.com/209-191">www.wago.com/209-191</a>
	<b>Item no.: 209-192</b> Separator for Ex e/Ex i applications; 3 mm thick; 125.5 mm wide; orange	<a href="http://www.wago.com/209-192">www.wago.com/209-192</a>
	<b>Item no.: 282-342</b> Separator plate; 2 mm thick; oversized; light gray	<a href="http://www.wago.com/282-342">www.wago.com/282-342</a>
<b>ferrule</b>		
	<b>Item no.: 216-262</b> Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight	<a href="http://www.wago.com/216-262">www.wago.com/216-262</a>

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	crimped; acc. to DIN 46228, Part 4/09.90; gray	
	<b>Item no.: 216-263</b> Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red	<a href="http://www.wago.com/216-263">www.wago.com/216-263</a>
	<b>Item no.: 216-264</b> Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black	<a href="http://www.wago.com/216-264">www.wago.com/216-264</a>
	<b>Item no.: 216-266</b> Ferrule; Sleeve for 2.5 mm <sup>2</sup> / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue	<a href="http://www.wago.com/216-266">www.wago.com/216-266</a>
	<b>Item no.: 216-267</b> Ferrule; Sleeve for 4 mm <sup>2</sup> / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray	<a href="http://www.wago.com/216-267">www.wago.com/216-267</a>
<b>protection</b>		
	<b>Item no.: 282-415</b> Protective warning marker; with high-voltage symbol, black; for 5 terminal blocks; yellow	<a href="http://www.wago.com/282-415">www.wago.com/282-415</a>
<b>Jumper</b>		
	<b>Item no.: 210-103</b> Wire commoning chain; insulated; black	<a href="http://www.wago.com/210-103">www.wago.com/210-103</a>
	<b>Item no.: 210-123</b> Wire commoning chain; insulated; blue	<a href="http://www.wago.com/210-123">www.wago.com/210-123</a>
	<b>Item no.: 282-402</b> Adjacent jumper; insulated; Nominal current 41 A	<a href="http://www.wago.com/282-402">www.wago.com/282-402</a>
	<b>Item no.: 282-409</b> Jumper; insulated; gray	<a href="http://www.wago.com/282-409">www.wago.com/282-409</a>
	<b>Item no.: 282-422</b> Jumper; insulated; yellow-green	<a href="http://www.wago.com/282-422">www.wago.com/282-422</a>
	<b>Item no.: 282-424</b> Jumper; insulated; orange	<a href="http://www.wago.com/282-424">www.wago.com/282-424</a>
	<b>Item no.: 709-110</b> Wire commoning chain; 2.5 mm <sup>2</sup> ; insulated; black	<a href="http://www.wago.com/709-110">www.wago.com/709-110</a>
	<b>Item no.: 709-111</b> Wire commoning chain; 2.5 mm <sup>2</sup> ; insulated; black	<a href="http://www.wago.com/709-111">www.wago.com/709-111</a>
	<b>Item no.: 709-112</b> Wire commoning chain; 2.5 mm <sup>2</sup> ; insulated; black	<a href="http://www.wago.com/709-112">www.wago.com/709-112</a>

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



## Downloads Documentation

### Bid Text

282-993 doc - Datei	Feb 28, 2017	doc 24.6 kB	Download
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282-993 GAEB X81 - Datei	Feb 19, 2019	xml 3.3 kB	Download
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## CAD/CAE-Data

### CAD data

2D/3D Models 282-993	URL	Download
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### CAE data

EPLAN Data Portal 282-993	URL	Download
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WSCAD Universe 282-993	URL	Download
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ZUKEN Portal 282-993	URL	Download
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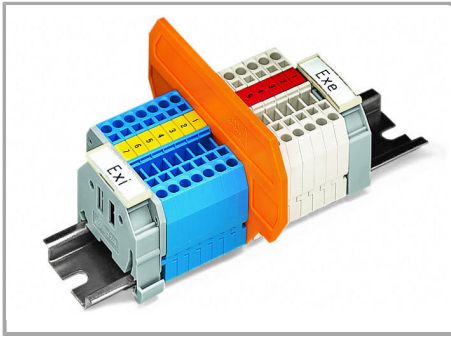
## Installation Notes

### Installation

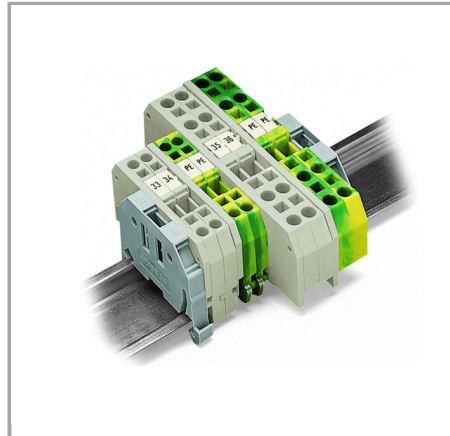
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We are always happy to take your call at +49 (571) 887-44222.



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!