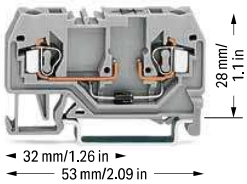
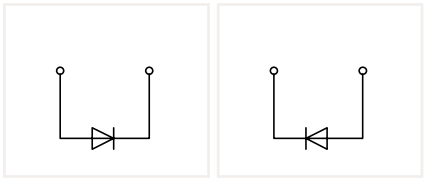
Diode Terminal Block and LED Terminal Block
2.5 mm²; 280 Series

Technical Data	
0.08 … 2.5 mm²	28 … 14 AWG
U_N 250 V; U_{RM} 1000 V	
1N4007 – 0.5 A continuous current	
Terminal block width: 5 mm / 0.197 inch	
8 … 9 mm / 0.31 … 0.35 inch	



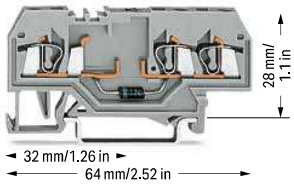
280-915/281-410 280-915/281-411



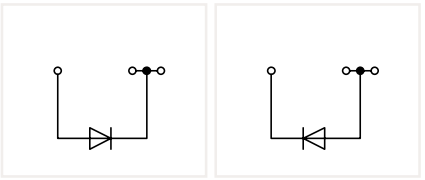
2-conductor diode terminal block; with 1N4007 diode		
Color	Item No.	Pack. Unit
gray	280-915/281-410	100
gray	280-915/281-411	100

Other terminal blocks with the same profile:		
Through	280-901	Page 236

Technical Data	
0.08 … 2.5 mm²	28 … 14 AWG
U_N 250 V; U_{RM} 1000 V	
1N4007 – 0.5 A continuous current	
Terminal block width: 5 mm / 0.197 inch	
8 … 9 mm / 0.31 … 0.35 inch	



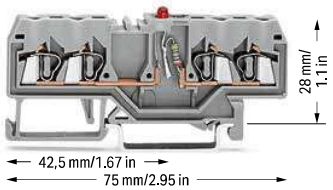
280-673/281-410 280-673/281-411



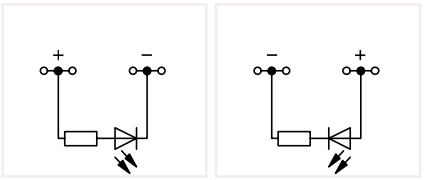
3-conductor diode terminal block; with 1N4007 diode		
Color	Item No.	Pack. Unit
gray	280-673/281-410	100
gray	280-673/281-411	100

Other terminal blocks with the same profile:		
Through	280-681	Page 236

Technical Data	
0.08 … 2.5 mm²	28 … 14 AWG
24 VDC	
I_F 0.025 A max.	
Terminal block width: 5 mm / 0.197 inch	
8 … 9 mm / 0.31 … 0.35 inch	

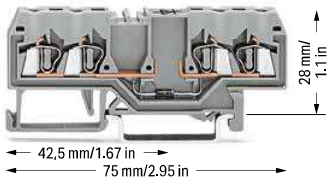


280-809/281-434 280-809/281-413

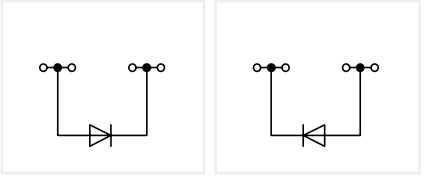


4-conductor LED terminal block; with red LED		
Color	Item No.	Pack. Unit
gray	280-809/281-434	100
gray	280-809/281-413	100

Other terminal blocks with the same profile:		
Through	280-833	Page 236



280-815/281-410 280-815/281-411



4-conductor diode terminal block; with 1N4007 diode		
Color	Item No.	Pack. Unit
gray	280-815/281-410	100
gray	280-815/281-411	100

Other terminal blocks with the same profile:		
Through	280-833	Page 236

Diode Terminal Blocks and LED Terminal Blocks
Circuit Configuration Examples

Please observe the application notes:
Insulation stop, page 346
Comb-style jumper bar, page 347
Marking, from page 588

Approvals and corresponding ratings, visit www.wago.com

Accessories; 280 Series

Appropriate marking system: WMB

Insulation stop; 0.08 … 0.2 mm² "s" (0.14 mm² "f-st"); 5 pcs/strip

white	280-470	200 (25)

Insulation stop; 0.25 … 0.5 mm²; 5 pcs/strip

light gray	280-471	200 (25)

Insulation stop; 0.75 … 1 mm²; 5 pcs/strip

dark gray	280-472	200 (25)

Comb-style jumper bar; insulated; I_N = I_N of terminal block

2-way	280-482	200 (25)
3-way	280-483	200 (25)

Comb-style jumper bar; insulated; I_N = I_N of terminal block

10-way	280-490	50 (25)

Alternate comb-style jumper bar; insulated; I_N = I_N of terminal block

2-way	280-492	200 (25)

Operating tool; insulated

2-way	280-432	1
3-way	280-433	1

Operating tool; insulated

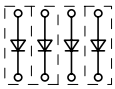
10-way	280-440	1

Wire commoning chain; insulated; 50 connections; I_N 8 A

black	210-103	5

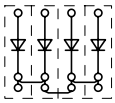
Wire commoning chain; insulated; 50 connections; I_N 8 A

blue	210-123	5

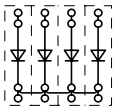


Open diode gates can be created using the following terminal blocks:
280-915/281-410 or 280-915/281-411

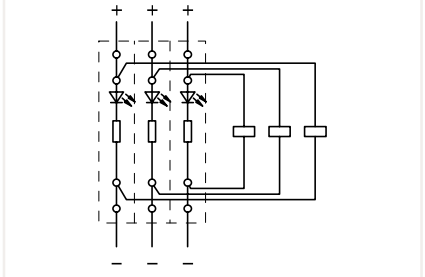
These diode terminal blocks have been specially developed for custom diode circuits, such as lamp test and collective fault signal circuits.



Polarized diode gates with a common cathode can be created using the following terminal blocks:
280-673/281-410 or 280-673/281-411



Polarized diode gates with a common cathode can be created using the following terminal blocks:
280-815/281-410 or 280-815/281-411

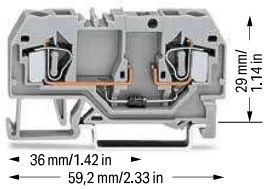


Circuit-related voltage indications can be created using the following terminal blocks:
280-809/281-434 or 280-809/281-413

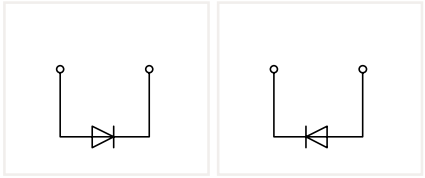
5

Diode Terminal Block
4 mm²; 281 Series

Technical Data	
0.08 … 4 mm²	28 … 12 AWG
U_N 250 V; U_{RM} 1000 V	
Terminal block width: 6 mm / 0.236 inch	
9 … 10 mm / 0.35 … 0.39 inch	



281-915/281-410 281-915/281-411

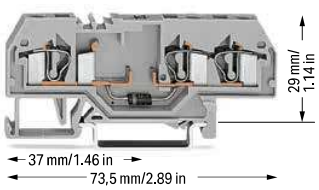


2-conductor diode terminal block; with 1N4007 diode; 0.5 A continuous current		
Color	Item No.	Pack. Unit
gray	281-915/281-410	50
gray	281-915/281-411	50

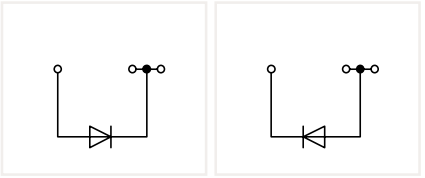
2-conductor diode terminal block; with 1N4007 diode; 1.5 A continuous current		
gray	281-915/281-400	50
gray	281-915/281-401	50

Other terminal blocks with the same profile:		
Through	281-901	Page 242

Technical Data	
0.08 … 4 mm²	28 … 12 AWG
U_N 250 V; U_{RM} 1000 V	
Terminal block width: 6 mm / 0.236 inch	
9 … 10 mm / 0.35 … 0.39 inch	



281-673/281-410 281-673/281-411

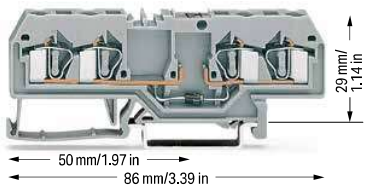


3-conductor diode terminal block; with 1N4007 diode; 0.5 A continuous current		
Color	Item No.	Pack. Unit
gray	281-673/281-410	50
gray	281-673/281-411	50

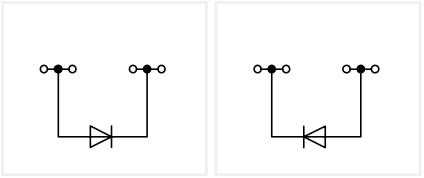
3-conductor diode terminal block; with 1N4007 diode; 1.5 A continuous current		
gray	281-673/281-400	50
gray	281-673/281-401	50

Other terminal blocks with the same profile:		
Through	281-681	Page 242

Technical Data	
0.08 … 4 mm²	28 … 12 AWG
U_N 250 V; U_{RM} 1000 V	
Terminal block width: 6 mm / 0.236 inch	
9 … 10 mm / 0.35 … 0.39 inch	



281-665/281-410 281-665/281-410



4-conductor diode terminal block; with 1N4007 diode; 0.5 A continuous current		
Color	Item No.	Pack. Unit
gray	281-665/281-410	50
gray	281-665/281-411	50

4-conductor diode terminal block; with 1N4007 diode; 1.5 A continuous current		
gray	281-665/281-400	50
gray	281-665/281-401	50

Other terminal blocks with the same profile:		
Through	280-652	Page 242

Diode Terminal Blocks
Circuit Configuration Examples

Please observe the application notes:
Insulation stop, page 346
Comb-style jumper bar, page 347
Marking, from page 588

Approvals and corresponding ratings, visit www.wago.com

Accessories; 281 Series

Appropriate marking system: WMB

Insulation stop; 0.08 … 0.2 mm² "s" (0.14 mm² "f-st"); 5 pcs/strip

white	281-470	200 (25)

Insulation stop; 0.25 … 0.5 mm²; 5 pcs/strip

light gray	281-471	200 (25)

Insulation stop; 0.75 … 1.5 mm²; 5 pcs/strip

dark gray	281-472	200 (25)

Comb-style jumper bar; insulated; I_N = I_N of terminal block

2-way	281-482	100 (25)
3-way	281-483	100 (25)
5-way	281-485	100 (25)
10-way	281-490	50 (25)

Alternate comb-style jumper bar; insulated; I_N = I_N of terminal block

2-way	281-492	100 (25)

Operating tool; insulated

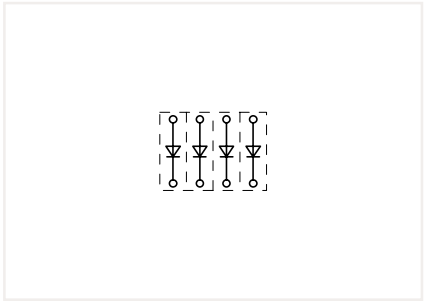
2-way	280-432	1
3-way	280-433	1
5-way	281-440	1

Wire commoning chain; insulated; 50 connections; I_N 8 A

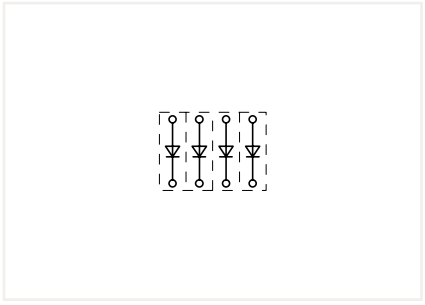
black	210-103	5

Wire commoning chain; insulated; 50 connections; I_N 8 A

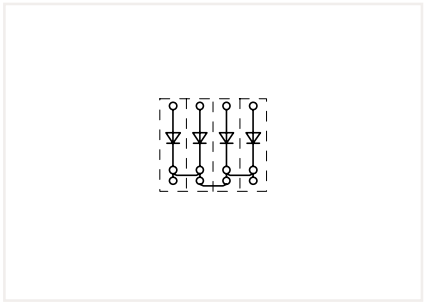
blue	210-123	5



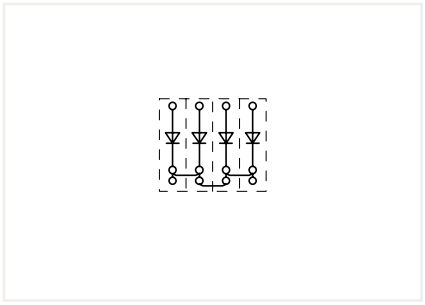
Open diode gates can be created using the following terminal blocks:
281-915/281-410 or 281-915/281-411



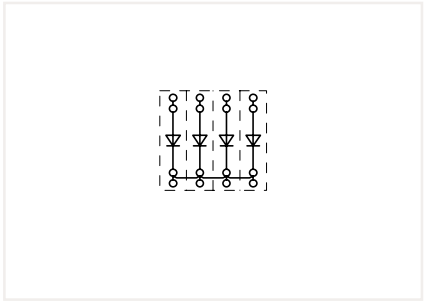
Open diode gates can be created using the following terminal blocks:
281-915/281-400 or 281-915/281-401



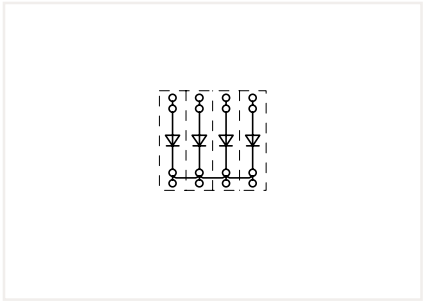
Polarized diode gates with a common cathode can be created using the following terminal blocks:
281-673/281-410 or 281-673/281-411



Polarized diode gates with a common cathode can be created using the following terminal blocks:
281-673/281-400 or 281-673/281-401



Polarized diode gates with a common cathode can be created using the following terminal blocks:
281-665/281-410 or 281-665/281-411

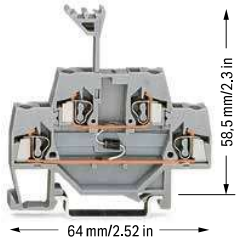


Polarized diode gates with a common cathode can be created using the following terminal blocks:
281-665/281-400 or 281-665/281-401

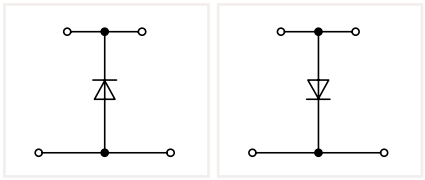
5

Double-Deck Diode Terminal Block and LED Terminal Block
2.5 mm²; 280 Series

Technical Data	
0.08 … 2.5 mm²	28 … 14 AWG
U_N 250 V; U_{RM} 1000 V	
1N4007 – 0.5 A continuous current	
Terminal block width: 5 mm / 0.197 inch	
8 … 9 mm / 0.31 … 0.35 inch	

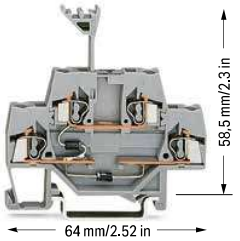


280-940/281-410 280-940/281-411

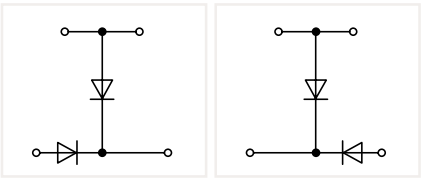


Double-deck diode terminal block; with 1N4007 diode		
Color	Item No.	Pack. Unit
gray	280-940/281-410	50
gray	280-940/281-411	50

Technical Data	
0.08 … 2.5 mm²	28 … 14 AWG
U_N 250 V; U_{RM} 1000 V	
1N4007 – 0.5 A continuous current	
Terminal block width: 5 mm / 0.197 inch	
8 … 9 mm / 0.31 … 0.35 inch	

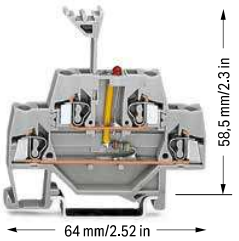


280-941/281-492 280-941/281-491

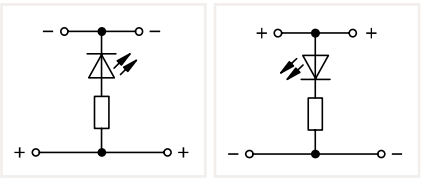


Double-deck diode terminal block; with two 1N4007 diodes		
Color	Item No.	Pack. Unit
gray	280-941/281-492	50
gray	280-941/281-491	50

Technical Data	
0.08 … 2.5 mm²	28 … 14 AWG
24 VDC	
I_F 0.025 A max.	
Terminal block width: 5 mm / 0.197 inch	
8 … 9 mm / 0.31 … 0.35 inch	



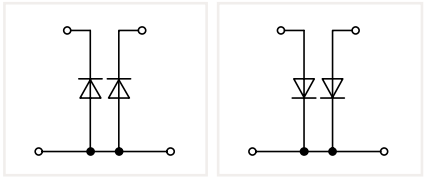
280-943/281-434 280-943/281-413



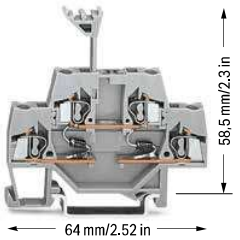
Double-deck LED terminal block; with red LED		
Color	Item No.	Pack. Unit
gray	280-943/281-434	50
gray	280-943/281-413	50

Other terminal blocks with the same profile:		
Through	280-519	Page 256

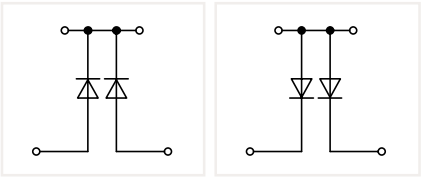
280-942/281-487 280-942/281-488



Double-deck diode terminal block; with two 1N4007 diodes		
Color	Item No.	Pack. Unit
gray	280-942/281-487	50
gray	280-942/281-488	50



280-941/281-489 280-941/281-490



Double-deck diode terminal block; with two 1N4007 diodes		
Color	Item No.	Pack. Unit
gray	280-941/281-489	50
gray	280-941/281-490	50

CAGE CLAMP®

Double-Deck Diode Terminal Blocks and LED Terminal Blocks
Circuit Configuration Examples

Please observe the application notes:
Insulation stop, page 346
Comb-style jumper bar, page 347
Marking, from page 588

Approvals and corresponding ratings, visit www.wago.com

Accessories; 280 Series

Appropriate marking system: WMB

End and intermediate plate; 2.5 mm thick

orange	280-341	100 (25)
gray	280-340	100 (25)

Insulation stop; 0.08 … 0.2 mm² "s" (0.14 mm² "f-st"); 5 pcs/strip

white	280-470	200 (25)

Insulation stop; 0.25 … 0.5 mm²; 5 pcs/strip

light gray	280-471	200 (25)

Insulation stop; 0.75 … 1 mm²; 5 pcs/strip

dark gray	280-472	200 (25)

Comb-style jumper bar; insulated; I_N = I_N of terminal block

2-way	280-482	200 (25)
3-way	280-483	200 (25)

Comb-style jumper bar; insulated; I_N = I_N of terminal block

10-way	280-490	50 (25)

Alternate comb-style jumper bar; insulated; I_N = I_N of terminal block

2-way	280-492	200 (25)

Operating tool; insulated

2-way	280-432	1
3-way	280-433	1

Operating tool; insulated

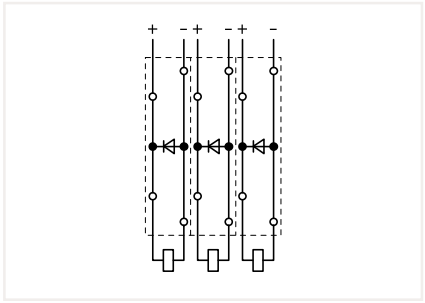
10-way	280-440	1

Wire commoning chain; insulated; 50 connections; I_N 8 A

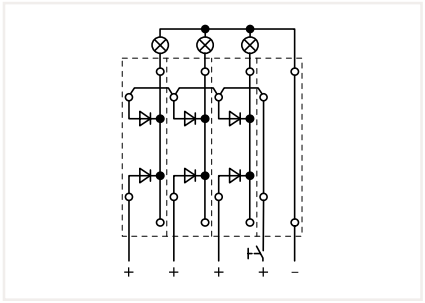
black	210-103	5

Wire commoning chain; insulated; 50 connections; I_N 8 A

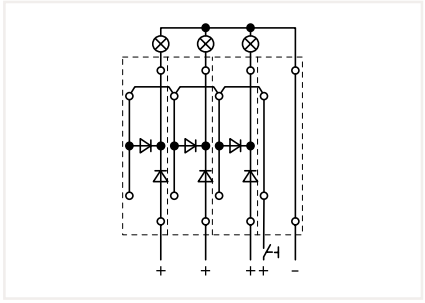
blue	210-123	5



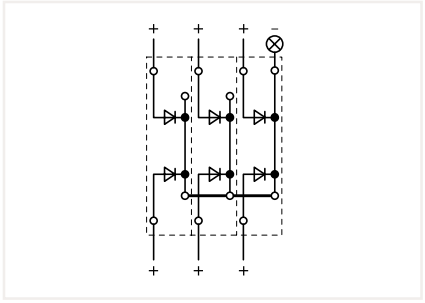
Recovery diodes can be created using the following terminal blocks:
280-940/281-410 or 280-940/281-411



Lamp test circuits can be created using the following terminal blocks:
280-942/281-487 or 280-942/281-488

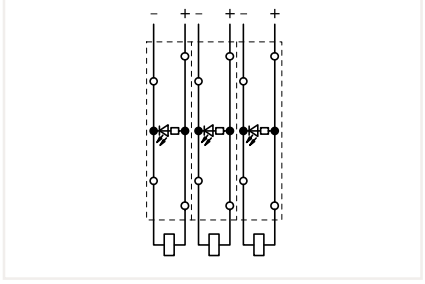


Lamp test circuits can be created using the following terminal blocks:
280-941/281-492 or 280-941/281-491



Collective fault signals can be created using the following terminal blocks:
280-941/281-489 or 280-941/281-490

Double-deck diode terminal blocks were specifically developed for custom diode circuits, such as lamp test and collective fault signal circuits.
Using LED terminal blocks, monitoring units can be designed, e.g., for control and operating circuits.
These terminal blocks provide high-density wiring in a width of just 5 mm.

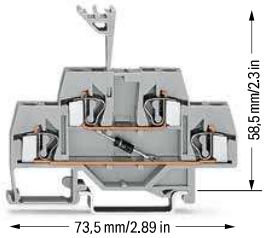


Circuit-related voltage indications can be created using the following terminal blocks:
280-943/281-434 or 280-943/281-413

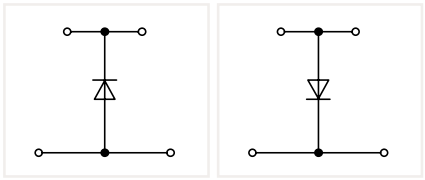
5

Double-Deck Diode Terminal Block and LED Terminal Block
4 mm²; 281 Series

Technical Data	
0.08 … 4 mm²	28 … 12 AWG
U_N 250 V; U_{RM} 1000 V	
1N4007 – 0.5 A continuous current	
Terminal block width: 6 mm / 0.236 inch	
9 … 10 mm / 0.35 … 0.39 inch	

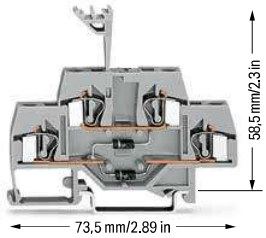


281-633/281-410 281-633/281-411

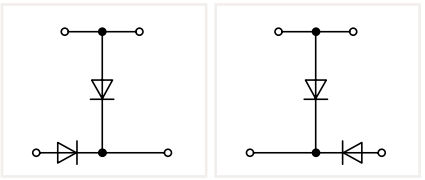


Double-deck diode terminal block; with 1N4007 diode		
Color	Item No.	Pack. Unit
gray	281-633/281-410	50
gray	281-633/281-411	50

Technical Data	
0.08 … 4 mm²	28 … 12 AWG
U_N 250 V; U_{RM} 1000 V	
1N4007 – 0.5 A continuous current	
Terminal block width: 6 mm / 0.236 inch	
9 … 10 mm / 0.35 … 0.39 inch	

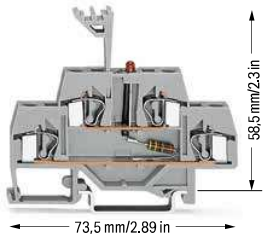


281-635/281-492 281-635/281-491

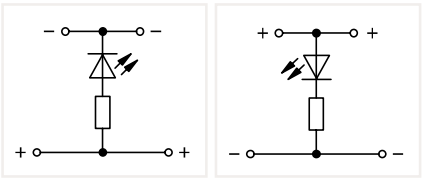


Double-deck diode terminal block; with two 1N4007 diodes		
Color	Item No.	Pack. Unit
gray	281-635/281-492	50
gray	281-635/281-491	50

Technical Data	
0.08 … 4 mm²	28 … 12 AWG
24 VDC	
I_F 0.025 A max.	
Terminal block width: 6 mm / 0.236 inch	
9 … 10 mm / 0.35 … 0.39 inch	

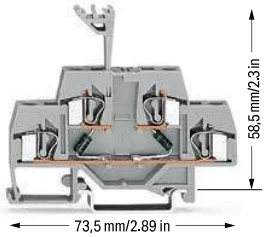


281-634/281-434 281-634/281-413

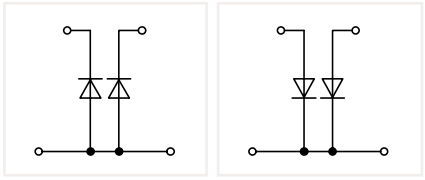


Double-deck LED terminal block; with red LED		
Color	Item No.	Pack. Unit
gray	281-634/281-434	50
gray	281-634/281-413	50

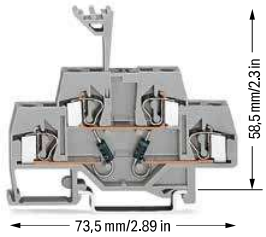
Other terminal blocks with the same profile:		
Through	280-519	Page 260



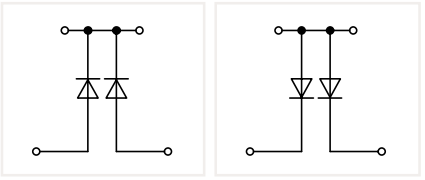
281-636/281-487 281-636/281-488



Double-deck diode terminal block; with two 1N4007 diodes		
Color	Item No.	Pack. Unit
gray	281-636/281-487	50
gray	281-636/281-488	50



281-635/281-489 281-635/281-490



Double-deck diode terminal block; with two 1N4007 diodes		
Color	Item No.	Pack. Unit
gray	281-635/281-489	50
gray	281-635/281-490	50

Double-Deck Diode Terminal Blocks and LED Terminal Blocks
Circuit Configuration Examples

Please observe the application notes:
Insulation stop, page 346
Comb-style jumper bar, page 347
Marking, from page 588

Approvals and corresponding ratings, visit www.wago.com

Accessories; 280 Series

Appropriate marking system: WMB

End and intermediate plate; 2.5 mm thick

orange	281-341	100 (25)
gray	281-340	100 (25)

Insulation stop; 0.08 … 0.2 mm² "s" (0.14 mm² "f-st"); 5 pcs/strip

white	281-470	200 (25)

Insulation stop; 0.25 … 0.5 mm²; 5 pcs/strip

light gray	281-471	200 (25)

Insulation stop; 0.75 … 1.5 mm²; 5 pcs/strip

dark gray	281-472	200 (25)

Comb-style jumper bar; insulated; I_N = I_N of terminal block

2-way	281-482	100 (25)
3-way	281-483	100 (25)
5-way	281-485	100 (25)
10-way	281-490	50 (25)

Alternate comb-style jumper bar; insulated; I_N = I_N of terminal block

2-way	280-492	200 (25)

Operating tool; insulated

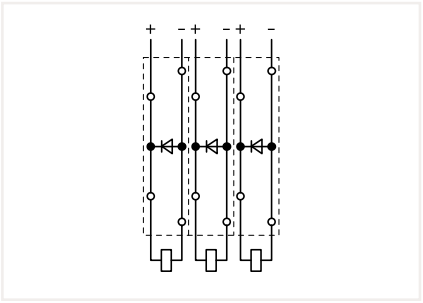
2-way	280-432	1
3-way	280-433	1
5-way	281-440	1

Wire commoning chain; insulated; 50 connections; I_N 8 A

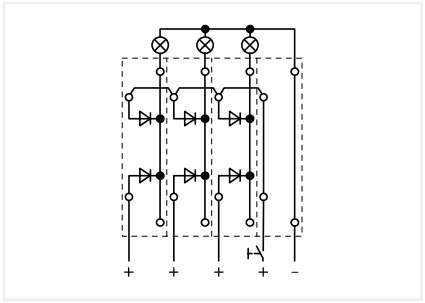
black	210-103	5

Wire commoning chain; insulated; 50 connections; I_N 8 A

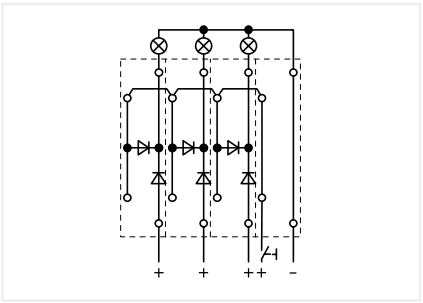
blue	210-123	5



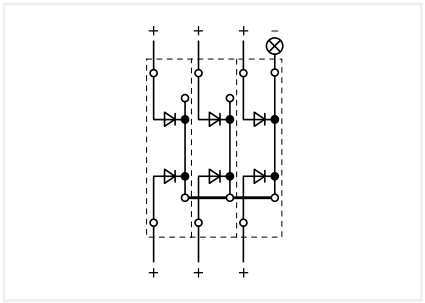
Recovery diodes can be created using the following terminal blocks:
281-633/281-410 or 281-633/281-411



Lamp test circuits can be created using the following terminal blocks:
281-636/281-487 or 281-636/281-488

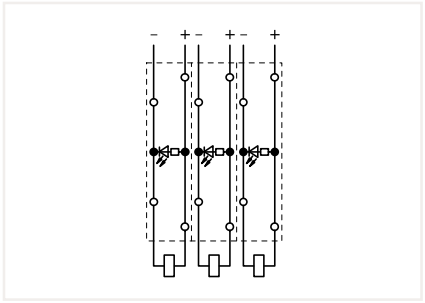


Lamp test circuits can be created using the following terminal blocks:
281-635/281-492 or 281-635/281-491



Collective fault signals can be created using the following terminal blocks:
281-635/281-489 or 281-635/281-490

Double-deck diode terminal blocks were specifically developed for custom diode circuits, such as lamp test and collective fault signal circuits.
Using LED terminal blocks, monitoring units can be designed, e.g., for control and operating circuits.
These terminal blocks provide high-density wiring in a width of just 6 mm.



Circuit-related voltage indications can be created using the following terminal blocks:
281-634/281-434 or 281-634/281-413

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