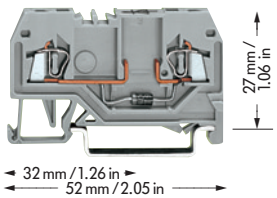
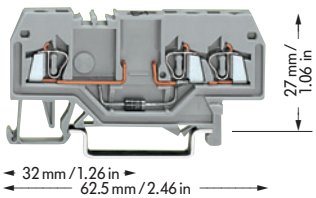
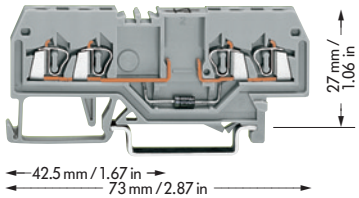
Diode Terminal Blocks 1.5 mm² / AWG 16, Series 279

0.08 – 1.5 mm² | AWG 28 – 16 **U_N 250 V; U_{RM} 1000 V** **1 N 4007 – 0.5 A continuous current** **Terminal block width 4 mm / 0.157 in** **8 – 9 mm / 0.33 in**	**0.08 – 1.5 mm² | AWG 28 – 16** **U_N 250 V; U_{RM} 1000 V** **1 N 4007 – 0.5 A continuous current** **Terminal block width 4 mm / 0.157 in** **8 – 9 mm / 0.33 in** * KEMA KEUR CCA KEMA KEUR CNET BV NV	**0.08 – 1.5 mm² | AWG 28 – 16** **U_N 250 V; U_{RM} 1000 V** **1 N 4007 – 0.5 A continuous current** **Terminal block width 4 mm / 0.157 in** **8 – 9 mm / 0.33 in** * KEMA KEUR CCA KEMA KEUR CNET BV LR NV







	Item No.	Pack. unit pcs
2-conductor diode terminal blocks		
with diode 1 N 4007		
Circuit I, grey	**279-915/281-410**	100
Circuit II, grey	**279-915/281-411**	100
Examples of circuit configuration see page 7.59		
Through terminal block with the same shape		
grey	**279-901**	page 2.8

	Item No.	Pack. unit pcs
3-conductor diode terminal blocks		
with diode 1 N 4007		
Circuit I, grey	**279-673/281-410**	100
Circuit II, grey	**279-673/281-411**	100
Examples of circuit configuration see page 7.59		
Through terminal block with the same shape		
grey	**279-681**	page 2.8

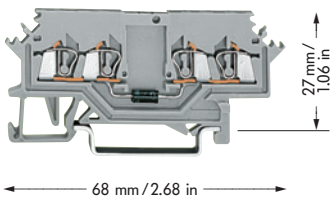
	Item No.	Pack. unit pcs
4-conductor diode terminal blocks		
with diode 1 N 4007		
Circuit I, grey	**279-815/281-410**	100
Circuit II, grey	**279-815/281-411**	100
Examples of circuit configuration see page 7.59		
Through terminal block with the same shape		
grey	**279-831**	page 2.8

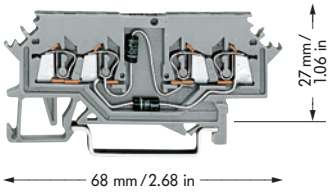
Appropriate marking system **WMB/WSB** (see section 14)
Marker width 4 mm/0.157 in

End and intermediate plate, 2 mm / 0.079 in thick		
orange	**279-328**	100 (4 x 25)
grey	**279-325**	100 (4 x 25)

End and intermediate plate, 2 mm / 0.079 in thick		
orange	**279-339**	100 (4 x 25)
grey	**279-308**	100 (4 x 25)

End and intermediate plate, 2 mm / 0.079 in thick		
orange	**279-346**	100 (4 x 25)
grey	**279-344**	100 (4 x 25)





	Item No.	Pack. unit pcs
4-conductor diode terminal blocks		
with diode 1 N 4007		
Circuit I, grey	**279-623/281-410**	100
Circuit II, grey	**279-623/281-411**	100
Examples of circuit configuration see page 7.59		
Through terminal block with the same shape		
grey	**279-621**	page 2.9

	Item No.	Pack. unit pcs
4-conductor diode terminal block		
with 2 diodes 1 N 4007		
grey	**279-620/281-408**	100
(for lamp test circuits up to 60 V)		
Through terminal block with the same shape		
grey	**279-621**	page 2.9

Appropriate marking system **WMB/WSB** (see section 14)
Marker width 4 mm/0.157 in

End and intermediate plate, 2 mm / 0.079 in thick		
orange	**279-317**	100 (4 x 25)
grey	**279-316**	100 (4 x 25)

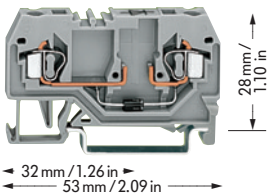
End and intermediate plate, 2 mm / 0.079 in thick		
orange	**279-317**	100 (4 x 25)
grey	**279-316**	100 (4 x 25)

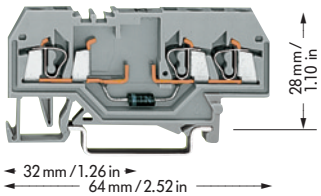
Accessories Series 279, see page 7.59

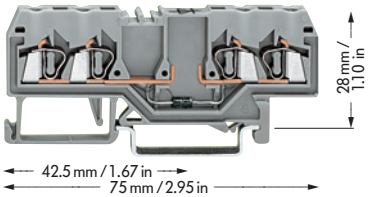
* For further approvals with corresponding ratings see section 15.

Diode Terminal Blocks 2.5 mm² / AWG 12, Series 280

0.08 – 2.5 mm² | AWG 28 – 12 **U_N 250 V; U_{RM} 1000 V** **1 N 4007 – 0.5 A continuous current** **Terminal block width 5 mm / 0.197 in** **8 – 9 mm / 0.33 in** *	**0.08 – 2.5 mm² | AWG 28 – 12** **U_N 250 V; U_{RM} 1000 V** **1 N 4007 – 0.5 A continuous current** **Terminal block width 5 mm / 0.197 in** **8 – 9 mm / 0.33 in** * CCA CNET BV LR NV	**0.08 – 2.5 mm² | AWG 28 – 12** **U_N 250 V; U_{RM} 1000 V** **1 N 4007 – 0.5 A continuous current** **Terminal block width 5 mm / 0.197 in** **8 – 9 mm / 0.33 in** *



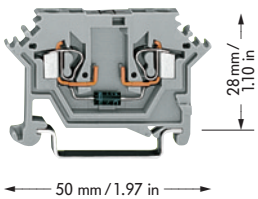


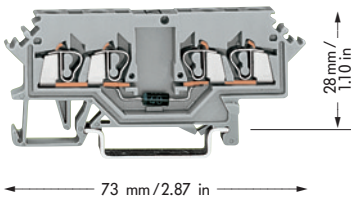


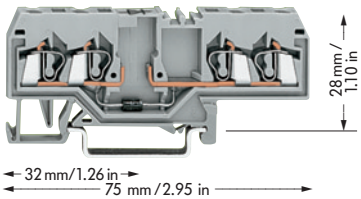
	Item No.	Pack. unit pcs
2-conductor diode terminal blocks		
with diode 1 N 4007		
Circuit I, grey	**280-915/281-410**	100
Circuit II, grey	**280-915/281-411**	100
Examples of circuit configuration see page 7.59		
Through terminal block with the same shape		
grey	**280-901**	page 2.10
Appropriate marking system **WMB/WSB** (see section 14) Marker width 5 mm/0.197 in		
End and intermediate plate, 2.5 mm/0.098 in thick		
orange	**280-309**	100 (4 x 25)
grey	**280-308**	100 (4 x 25)

	Item No.	Pack. unit pcs
3-conductor diode terminal blocks		
with diode 1 N 4007		
Circuit I, grey	**280-673/281-410**	100
Circuit II, grey	**280-673/281-411**	100
Examples of circuit configuration see page 7.59		
Through terminal block with the same shape		
grey	**280-681**	page 2.10
End and intermediate plate, 2.5 mm/0.098 in thick		
orange	**280-326**	100 (4 x 25)
grey	**280-324**	100 (4 x 25)

	Item No.	Pack. unit pcs
4-conductor diode terminal blocks		
with diode 1 N 4007		
Circuit I, grey	**280-815/281-410**	100
Circuit II, grey	**280-815/281-411**	100
Examples of circuit configuration see page 7.59		
Through terminal block with the same shape		
grey	**280-833**	page 2.10
End and intermediate plate, 2.5 mm/0.098 in thick		
orange	**280-315**	100 (4 x 25)
grey	**280-314**	100 (4 x 25)







	Item No.	Pack. unit pcs
2-conductor diode terminal blocks		
with diode 1 N 4007		
Circuit I, grey	**280-613/281-410**	100
Circuit II, grey	**280-613/281-411**	100
Examples of circuit configuration see page 7.59		
Through terminal block with the same shape		
grey	**280-601**	page 2.12
Appropriate marking system **WMB/WSB** (see section 14) Marker width 5 mm/0.197 in		
End and intermediate plate, 2.5 mm/0.098 in thick		
orange	**280-331**	100 (4 x 25)
grey	**280-330**	100 (4 x 25)

	Item No.	Pack. unit pcs
4-conductor diode terminal blocks		
with diode 1 N 4007		
Circuit I, grey	**280-623/281-410**	100
Circuit II, grey	**280-623/281-411**	100
Examples of circuit configuration see page 7.59		
Through terminal block with the same shape		
grey	**280-621**	page 2.12
End and intermediate plate, 2.5 mm/0.098 in thick		
orange	**280-317**	100 (4 x 25)
grey	**280-316**	100 (4 x 25)

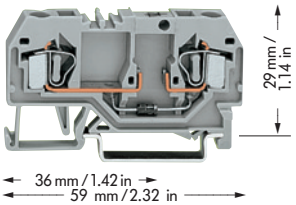
	Item No.	Pack. unit pcs
4-conductor diode terminal blocks		
with diode 1 N 4007		
Circuit I, grey	**280-655/281-410**	100
Circuit II, grey	**280-655/281-411**	100
Examples of circuit configuration see page 7.59		
Through terminal block with the same shape		
grey	**280-633**	page 2.11
End and intermediate plate, 2.5 mm/0.098 in thick		
orange	**280-315**	100 (4 x 25)
grey	**280-314**	100 (4 x 25)

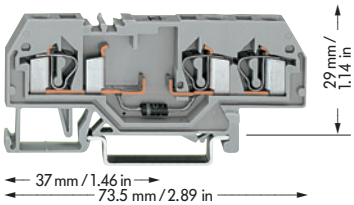
Accessories Series 280, see page 7.59

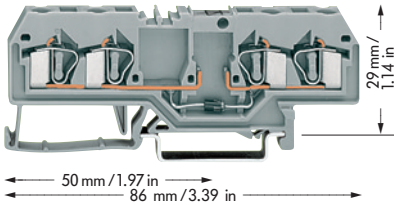
* For further approvals with corresponding ratings see section 15.

Diode Terminal Blocks 4 mm² / AWG 12 and Variable Resistor Terminal Blocks 2.5 mm² / AWG 12, Series 281 and Series 280

0.08 – 4 mm² | AWG 28 – 12
U_N 250 V; U_{RM} 1000 V
1 N 4007 – 0.5 A continuous current
1 N 5408 – 1.5 A continuous current
Terminal block width 6 mm / 0.236 in
9 – 10 mm / 0.37 in
* KEMA KEUR CCA KEUR BV LR NV







	Item No.	Pack. unit pcs
2-conductor diode terminal blocks		
with diode 1 N 4007		
Circuit I, grey	**281-915/281-410**	50
Circuit II, grey	**281-915/281-411**	50
2-conductor diode terminal blocks		
with diode 1 N 5408		
Circuit I, grey	**281-915/281-400**	50
Circuit II, grey	**281-915/281-401**	50
Through terminal block with the same shape		
grey	**281-901**	page 2.16

	Item No.	Pack. unit pcs
3-conductor diode terminal blocks		
with diode 1 N 4007		
Circuit I, grey	**281-673/281-410**	50
Circuit II, grey	**281-673/281-411**	50
3-conductor diode terminal blocks		
with diode 1 N 5408		
Circuit I, grey	**281-673/281-400**	50
Circuit II, grey	**281-673/281-401**	50
Through terminal block with the same shape		
grey	**281-681**	page 2.16

	Item No.	Pack. unit pcs
4-conductor diode terminal blocks		
with diode 1 N 4007		
Circuit I, grey	**281-665/281-410**	50
Circuit II, grey	**281-665/281-411**	50
4-conductor diode terminal blocks		
with diode 1 N 5408		
Circuit I, grey	**281-665/281-400**	50
Circuit II, grey	**281-665/281-401**	50
Through terminal block with the same shape		
grey	**281-652**	page 2.16

Appropriate marking system **WMB/WSB** (see section 14)
Marker width 5 mm/0.197 in

End and intermediate plate, 2.5 mm/0.098 in thick



orange	**281-329**	100 (4 x 25)
grey	**281-328**	100 (4 x 25)

End and intermediate plate, 2.5 mm/0.098 in thick

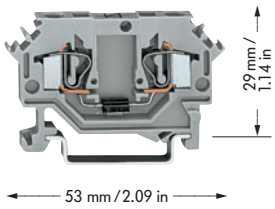


orange	**281-326**	100 (4 x 25)
grey	**281-324**	100 (4 x 25)

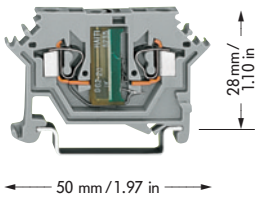
End and intermediate plate, 2.5 mm/0.098 in thick



orange	**281-335**	100 (4 x 25)
grey	**281-334**	100 (4 x 25)



Variable Resistor Terminal Blocks 2.5 mm² / AWG 14, Series 280



0.08 – 2.5 mm² | AWG 28 – 14
250 V

Terminal block width 5 mm / 0.197 in
8 – 9 mm / 0.33 in

❶ For other resistor values – contact factory
❷ If used with intermediate plate 280-331 also suitable for EEx i-applications

	Item No.	Pack. unit pcs
2-conductor diode terminal blocks		
with diode 1 N 4007		
Circuit I, grey	**281-603/281-410**	100
Circuit II, grey	**281-603/281-411**	100
2-conductor diode terminal blocks		
with diode 1 N 5408		
Circuit I, grey	**281-603/281-400**	100
Circuit II, grey	**281-603/281-401**	100
Through terminal block with the same shape		
grey	**281-601**	page 1.23

	Item No.	Pack. unit pcs
Variable resistor term. block, w. balancing resistance		
0.5 Ω – 20 Ω, 0.75 W ❶		
grey	**280-615/281-412**	100
Variable resistor term. block, w. balancing resistance		
0.5 Ω – 20 Ω, 0.75 W ❶		
blue	**280-645/281-412** ❷	100
Variable resistor term. block, w. balancing resistance		
20 Ω – 1 kΩ, 0.75 W ❶		
grey	**280-615/281-428**	100

Appropriate marking system **WMB/WSB** (see section 14)
Marker width 5 mm/0.197 in

End and intermediate plate, 2.5 mm/0.098 in thick

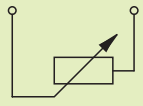


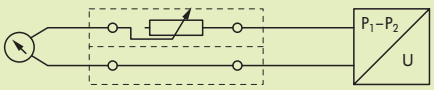
orange	**281-317**	100 (4 x 25)
grey	**281-316**	100 (4 x 25)

End and intermediate plate, 2.5 mm/0.098 in thick



orange	**280-331**	100 (4 x 25)
grey	**280-330**	100 (4 x 25)





Trimming circuit for differential pressure sensor

Accessories Series 281, see page 7.59

Accessories Series 280, see page 7.59

* For further approvals with corresponding ratings see section 15.

Accessories and Examples of Circuit Configuration
Diode Terminal Blocks, Series 279/280/281

Accessories Series 279

	Item No.	Pack. unit pcs
Comb type jumper bar, insulated, see page 2.44		
	$I_N = I_N$ of terminal block	
2-way	**279-482**	200 (8 x 25)
3-way	**279-483**	200 (8 x 25)
10-way	**279-490**	50 (2 x 25)
Alternate comb type jumper bar, insulated,		
	$I_N = I_N$ of terminal block	
2-way	**279-492**	200 (8 x 25)
Operating tool, insulated		
		
2-way	**279-432**	1
3-way	**279-433**	1
10-way	**279-440**	1

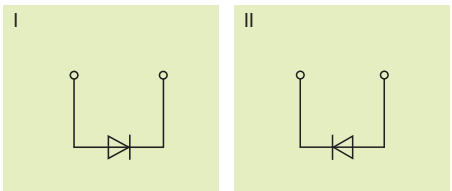
Accessories Series 280

	Item No.	Pack. unit pcs
Comb type jumper bar, insulated, see page 2.44		
	$I_N = I_N$ of terminal block	
2-way	**280-482**	200 (8 x 25)
3-way	**280-483**	200 (8 x 25)
10-way	**280-490**	50 (2 x 25)
Alternate comb type jumper bar, insulated,		
	$I_N = I_N$ of terminal block	
2-way	**280-492**	200 (8 x 25)
Operating tool, insulated		
		
2-way	**280-432**	1
3-way	**280-433**	1
10-way	**280-440**	1
Wire commoning chain, insulated, 50 connections, 8 A		
	black	**210-103** 1
	blue	**210-123** 1

Accessories Series 281

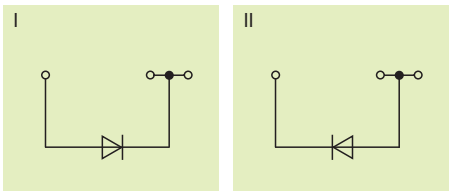
	Item No.	Pack. unit pcs
Comb type jumper bar, insulated, see page 2.44		
	$I_N = I_N$ of terminal block	
2-way	**281-482**	100 (4 x 25)
3-way	**281-483**	100 (4 x 25)
5-way	**281-485**	100 (4 x 25)
10-way	**281-490**	50 (2 x 25)
Alternate comb type jumper bar, insulated,		
	$I_N = I_N$ of terminal block	
2-way	**281-492**	100 (4 x 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, 8 A		
	black	**210-103** 1
	blue	**210-123** 1

2-conductor diode terminal block



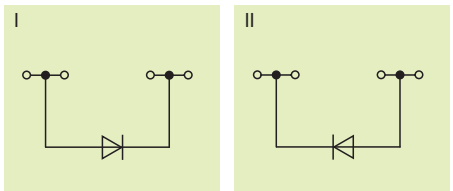
	Item No.	Pack. unit pcs
Circuit I	**279-915/281-410**	100
Circuit II	**279-915/281-411**	100
Circuit I	**280-915/281-410**	100
Circuit II	**280-915/281-411**	100
Circuit I	**280-613/281-410**	100
Circuit II	**280-613/281-411**	100
Circuit I	**281-915/281-410**	50
Circuit II	**281-915/281-411**	50
Circuit I	**281-915/281-400**	50
Circuit II	**281-915/281-401**	50

3-conductor diode terminal block

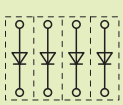


	Item No.	Pack. unit pcs
Circuit I	**279-673/281-410**	100
Circuit II	**279-673/281-411**	100
Circuit I	**280-673/281-410**	100
Circuit II	**280-673/281-411**	100
Circuit I	**281-673/281-410**	50
Circuit II	**281-673/281-411**	50
Circuit I	**281-673/281-400**	50
Circuit II	**281-673/281-401**	50

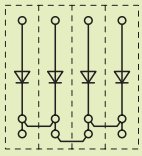
4-conductor diode terminal block



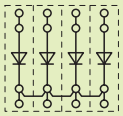
	Item No.	Pack. unit pcs
Circuit I	**279-815/281-410**	100
Circuit II	**279-815/281-411**	100
Circuit I	**279-623/281-410**	100
Circuit II	**279-623/281-411**	100
Circuit I	**280-815/281-410**	100
Circuit II	**280-815/281-411**	100
Circuit I	**280-655/281-410**	100
Circuit II	**280-655/281-411**	100
Circuit I	**280-623/281-410**	100
Circuit II	**280-623/281-411**	100
Circuit I	**281-665/281-410**	50
Circuit II	**281-665/281-411**	50
Circuit I	**281-665/281-400**	50
Circuit II	**281-665/281-401**	50



Open diode gate



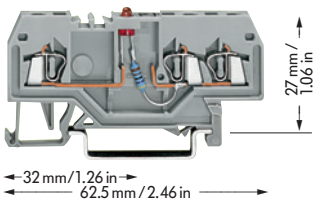
Polarized diode gate, common cathode

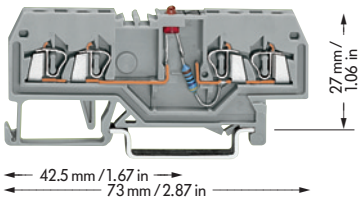


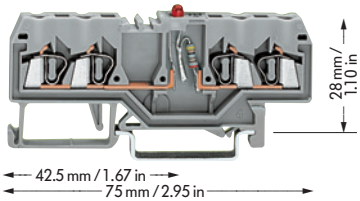
Polarized diode gate, common cathode

LED Terminal Blocks 1.5 mm² / AWG 16 and 2.5 mm² / AWG 12, Series 279 and 280

0.08 – 1.5 mm² | AWG 28 – 16 U_N 250 V; U_{RM} 1000 V I_F 25 mA max. Terminal block width 4 mm / 0.157 in 8 – 9 mm / 0.33 in	0.08 – 1.5 mm² | AWG 28 – 16 U_N 250 V; U_{RM} 1000 V I_F 25 mA max. Terminal block width 4 mm / 0.157 in 8 – 9 mm / 0.33 in * KEUR CCA KEMA KEUR CNET BV LR NV	0.08 – 2.5 mm² | AWG 28 – 12 U_N 250 V; U_{RM} 1000 V I_F 25 mA max. Terminal block width 5 mm / 0.197 in 8 – 9 mm / 0.33 in * UL



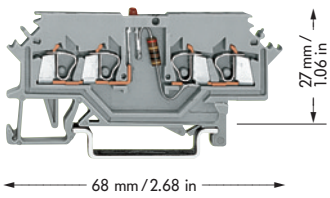


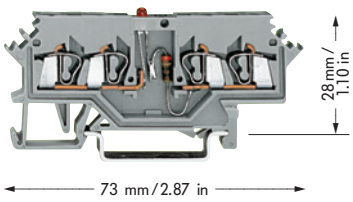


	Item No.	Pack. unit pcs
3-conductor LED terminal blocks		
with red LED, DC 24 V		
Circuit I, grey	**279-674/281-434**	100
Circuit II, grey	**279-674/281-413**	100
Examples of circuit configuration see page 7.61		
Through terminal block with the same shape		
grey	**279-681**	page 2.8
Appropriate marking system **WMB/WSB** (see section 14) Marker width 4 mm/0.157 in		
End and intermediate plate, 2 mm / 0.079 in thick		
orange	**279-339**	100 (4 x 25)
grey	**279-308**	100 (4 x 25)

	Item No.	Pack. unit pcs
4-conductor LED terminal blocks		
with red LED, DC 24 V		
Circuit I, grey	**279-809/281-434**	100
Circuit II, grey	**279-809/281-413**	100
Examples of circuit configuration see page 7.61		
Through terminal block with the same shape		
grey	**279-831**	page 2.8
Appropriate marking system **WMB/WSB** (see section 14) Marker width 4 mm/0.157 in		
End and intermediate plate, 2 mm / 0.079 in thick		
orange	**279-346**	100 (4 x 25)
grey	**279-344**	100 (4 x 25)

	Item No.	Pack. unit pcs
4-conductor LED terminal blocks		
with red LED, DC 24 V		
Circuit I, grey	**280-809/281-434**	100
Circuit II, grey	**280-809/281-413**	100
Examples of circuit configuration see page 7.61		
Through terminal block with the same shape		
grey	**280-833**	page 2.10
Appropriate marking system **WMB/WSB** (see section 14) Marker width 5 mm/0.197 in		
End and intermediate plate, 2.5 mm / 0.098 in thick		
orange	**280-315**	100 (4 x 25)
grey	**280-314**	100 (4 x 25)





	Item No.	Pack. unit pcs
	4-conductor LED terminal blocks	
	with red LED, DC 24 V	
	Circuit I, grey	**279-624/281-434**	100
	Circuit II, grey	**279-624/281-413**	100
	Examples of circuit configuration see page 7.61	
	Through terminal block with the same shape	
	grey	**279-621**	page 2.9
	Appropriate marking system **WMB/WSB** (see section 14) Marker width 4 mm/0.157 in	
	End and intermediate plate, 2 mm / 0.079 in thick	
	orange	**279-317**	100 (4 x 25)
	grey	**279-316**	100 (4 x 25)
	Accessories Series 279, see page 7.61	

	Item No.	Pack. unit pcs
	4-conductor LED terminal blocks	
	with red LED, DC 24 V	
	Circuit I, grey	**280-624/281-434**	100
	Circuit II, grey	**280-624/281-413**	100
	Examples of circuit configuration see page 7.61	
	Through terminal block with the same shape	
	grey	**280-621**	page 2.12
	Appropriate marking system **WMB/WSB** (see section 14) Marker width 5 mm/0.197 in	
	End and intermediate plate, 2.5 mm / 0.098 in thick	
	orange	**280-317**	100 (4 x 25)
	grey	**280-316**	100 (4 x 25)
	Accessories Series 280, see page 7.61	

* For further approvals with corresponding ratings see section 15.

Accessories and Examples of Circuit Configuration LED Terminal Blocks, Series 279 and 280

0.08 – 2.5 mm² | **AWG 28 – 12**
U_N 250 V; U_{RM} 1000 V
I_F 25 mA max.

Terminal block width 5 mm / 0.197 in
8 – 9 mm / 0.33 in

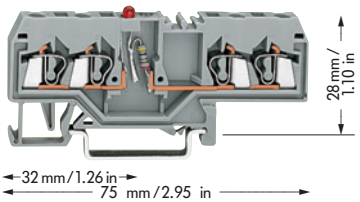
* KEMA KEUR CCA KEMA KEUR BV LR NV

Accessories Series 279

	Item No.	Pack. unit pcs
Comb type jumper bar, insulated,		see page 2.44
$I_N = I_N$ of terminal block		
2-way	**279-482**	200 (8 x 25)
3-way	**279-483**	200 (8 x 25)
10-way	**279-490**	50 (2 x 25)
Alternate comb type jumper bar, insulated,		
$I_N = I_N$ of terminal block		
2-way	**279-492**	200 (8 x 25)
Operating tool, insulated		
2-way	**279-432**	1
3-way	**279-433**	1
10-way	**279-440**	1

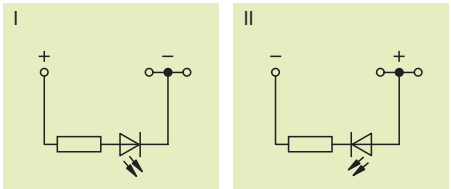
Accessories Series 280

	Item No.	Pack. unit pcs
Comb type jumper bar, insulated,		see page 2.44
$I_N = I_N$ of terminal block		
2-way	**280-482**	200 (8 x 25)
3-way	**280-483**	200 (8 x 25)
10-way	**280-490**	50 (2 x 25)
Alternate comb type jumper bar, insulated,		
$I_N = I_N$ of terminal block		
2-way	**280-492**	200 (8 x 25)
Operating tool, insulated		
2-way	**280-432**	1
3-way	**280-433**	1
10-way	**280-440**	1
Wire commoning chain, insulated, 50 connections, 8 A		
black	**210-103**	1
blue	**210-123**	1

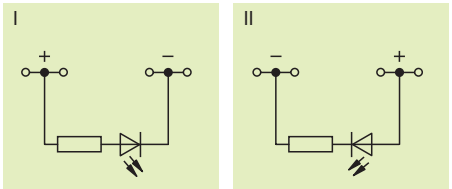


	Item No.	Pack. unit pcs
4-conductor LED terminal blocks		
with red LED, DC 24 V		
Circuit I, grey	**280-658/281-434**	100
Circuit II, grey	**280-658/281-413**	100
Examples of circuit configuration see page 7.61		
Through terminal block with the same shape		
grey	**280-633**	page 2.11
Appropriate marking system **WMB/WSB** (see section 14) Marker width 5 mm/0.197 in		
End and intermediate plate, 2.5 mm/0.098 in thick		
orange	**280-315**	100 (4 x 25)
grey	**280-314**	100 (4 x 25)

3-conductor LED terminal block

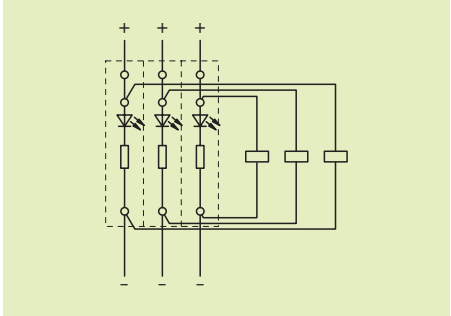


4-conductor LED terminal block

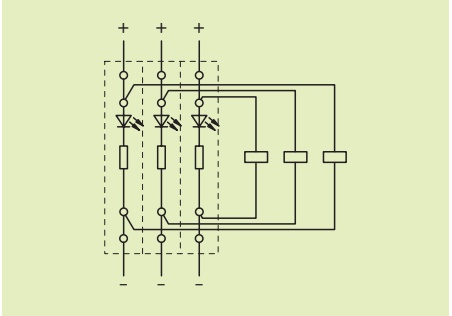


	Item No.	Pack. unit pcs
Circuit I	**279-674/281-434**	100
Circuit II	**279-674/281-413**	100

	Item No.	Pack. unit pcs
Circuit I	**279-809/281-434**	100
Circuit II	**279-809/281-413**	100
Circuit I	**279-624/281-434**	100
Circuit II	**279-624/281-413**	100
Circuit I	**280-809/281-434**	100
Circuit II	**280-809/281-413**	100
Circuit I	**280-658/281-434**	100
Circuit II	**280-658/281-413**	100
Circuit I	**280-624/281-434**	100
Circuit II	**280-624/281-413**	100



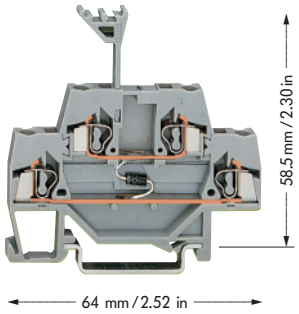
Voltage indication



Voltage indication

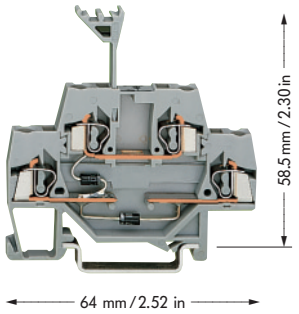
Double Deck Diode Terminal Blocks
Double Deck LED Terminal Blocks 2.5 mm² / AWG 14 and 4 mm² / AWG 12
Series 280 and 281

0.08 – 2.5 mm² | AWG 28 – 14
U_N 250 V; U_{RM} 1000 V
1 N 4007 – 0.5 A continuous current
Terminal block width 5 mm / 0.197 in
8 – 9 mm / 0.33 in
* KEMA KEUR CCA KEMA KEUR BV LR NV



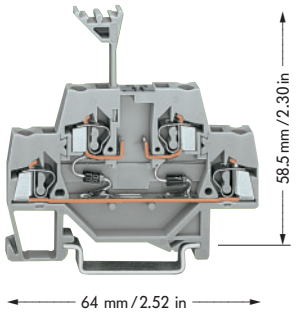
	Item No.	Pack. unit pcs
Double deck diode terminal blocks with diode 1 N 4007		
Circuit I, grey	**280-940/281-410**	50
Circuit II, grey	**280-940/281-411**	50
Through terminal blocks with the same shape and accessories		
grey	**280-519**	page 2.30

0.08 – 2.5 mm² | AWG 28 – 14
U_N 250 V; U_{RM} 1000 V
1 N 4007 – 0.5 A continuous current
Terminal block width 5 mm / 0.197 in
8 – 9 mm / 0.33 in
* KEMA KEUR CCA KEMA KEUR BV LR NV



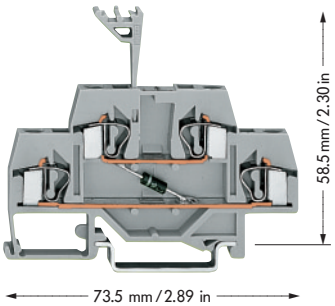
	Item No.	Pack. unit pcs
Double deck diode terminal blocks with 2 diodes 1 N 4007		
Circuit I, grey	**280-941/281-492**	50
Circuit II, grey	**280-941/281-491**	50
Through terminal blocks with the same shape and accessories		
grey	**280-519**	page 2.30

0.08 – 2.5 mm² | AWG 28 – 14
U_N 250 V; U_{RM} 1000 V
1 N 4007 – 0.5 A continuous current
Terminal block width 5 mm / 0.197 in
8 – 9 mm / 0.33 in



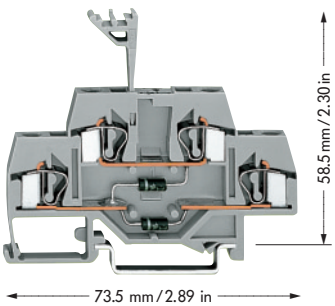
	Item No.	Pack. unit pcs
Double deck diode terminal blocks with 2 diodes 1 N 4007		
Circuit I, grey	**280-942/281-487**	50
Circuit II, grey	**280-942/281-488**	50
Through terminal blocks with the same shape and accessories		
grey	**280-519**	page 2.30

0.08 – 4 mm² | AWG 28 – 12
U_N 250 V; U_{RM} 1000 V
1 N 4007 – 0.5 A continuous current
Terminal block width 6 mm / 0.236 in
9 – 10 mm / 0.37 in
* KEMA KEUR CCA KEMA KEUR BV LR NV



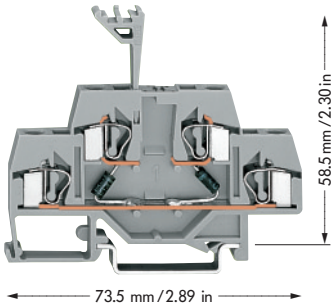
	Item No.	Pack. unit pcs
Double deck diode terminal blocks with diode 1 N 4007		
Circuit I, grey	**281-633/281-410**	50
Circuit II, grey	**281-633/281-411**	50
Through terminal blocks with the same shape and accessories		
grey	**281-619**	page 2.33

0.08 – 4 mm² | AWG 28 – 12
U_N 250 V; U_{RM} 1000 V
1 N 4007 – 0.5 A continuous current
Terminal block width 6 mm / 0.236 in
9 – 10 mm / 0.37 in
* KEMA KEUR CCA KEMA KEUR BV LR NV

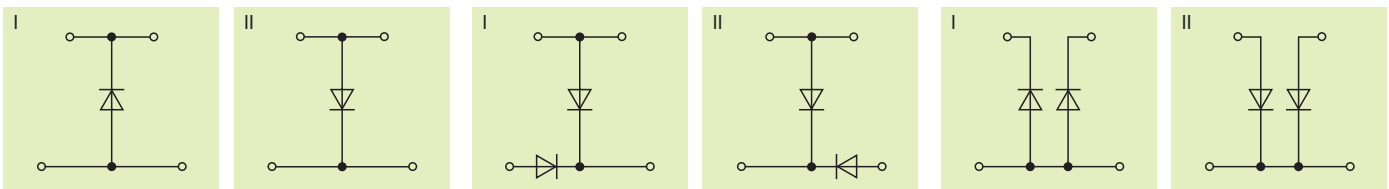


	Item No.	Pack. unit pcs
Double deck diode terminal blocks with 2 diodes 1 N 4007		
Circuit I, grey	**281-635/281-492**	50
Circuit II, grey	**281-635/281-491**	50
Through terminal blocks with the same shape and accessories		
grey	**281-619**	page 2.33

0.08 – 4 mm² | AWG 28 – 12
U_N 250 V; U_{RM} 1000 V
1 N 4007 – 0.5 A continuous current
Terminal block width 6 mm / 0.236 in
9 – 10 mm / 0.37 in

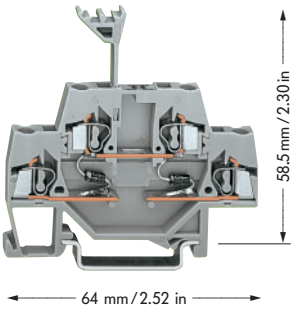


	Item No.	Pack. unit pcs
Double deck diode terminal blocks with 2 diodes 1 N 4007		
Circuit I, grey	**281-636/281-487**	50
Circuit II, grey	**281-636/281-488**	50
Through terminal blocks with the same shape and accessories		
grey	**281-619**	page 2.33



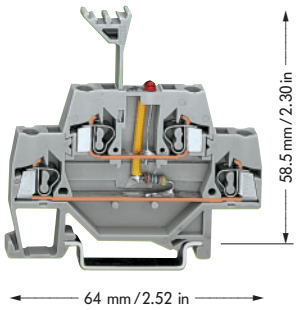
* For further approvals with corresponding ratings see section 15.

0.08 – 2.5 mm² | AWG 28 – 14
U_N 250 V; U_{RM} 1000 V
1 N 4007 – 0.5 A continuous current
Terminal block width 5 mm / 0.197 in
8 – 9 mm / 0.33 in



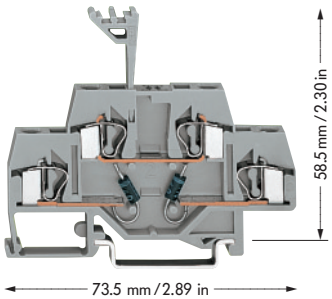
	Item No.	Pack. unit pcs
Double deck diode terminal blocks		
with 2 diodes 1 N 4007		
Circuit I, grey	**280-941/281-489**	50
Circuit II, grey	**280-941/281-490**	50
Through terminal blocks with the same shape and accessories		
grey	**280-519**	page 2.30

0.08 – 2.5 mm² | AWG 28 – 14
DC 24 V
I_F 25 mA max.
Terminal block width 5 mm / 0.197 in
8 – 9 mm / 0.33 in
* KEMA KEUR CCA KEMA KEUR BV LR NV



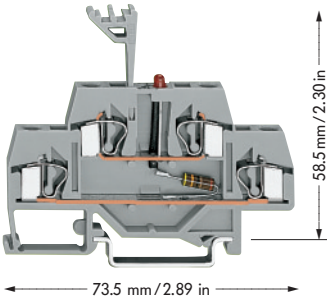
	Item No.	Pack. unit pcs
Double deck LED terminal blocks		
with red LED, DC 24 V		
Circuit I, grey	**280-943/281-434**	50
Circuit II, grey	**280-943/281-413**	50
Through terminal blocks with the same shape and accessories		
grey	**280-519**	page 2.30

0.08 – 4 mm² | AWG 28 – 12
U_N 250 V; U_{RM} 1000 V
1 N 4007 – 0.5 A continuous current
Terminal block width 6 mm / 0.236 in
9 – 10 mm / 0.37 in
* KEMA KEUR CCA KEMA KEUR BV LR NV

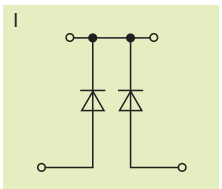


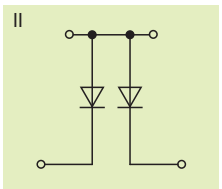
	Item No.	Pack. unit pcs
Double deck diode terminal blocks		
with 2 diodes 1 N 4007		
Circuit I, grey	**281-635/281-489**	50
Circuit II, grey	**281-635/281-490**	50
Through terminal blocks with the same shape and accessories		
grey	**281-619**	page 2.33

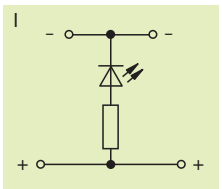
0.08 – 4 mm² | AWG 28 – 12
DC 24 V
I_F 25 mA max.
Terminal block width 5 mm / 0.197 in
8 – 9 mm / 0.33 in
* KEMA KEUR CCA KEMA KEUR BV LR NV

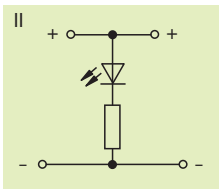


	Item No.	Pack. unit pcs
Double deck LED terminal blocks		
with red LED, DC 24 V		
Circuit I, grey	**281-634/281-434**	50
Circuit II, grey	**281-634/281-413**	50
Through terminal blocks with the same shape and accessories		
grey	**281-619**	page 2.33

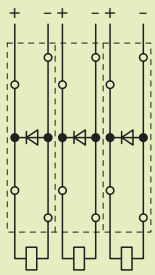




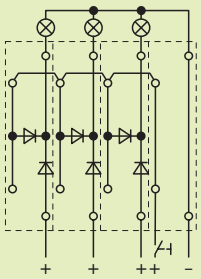




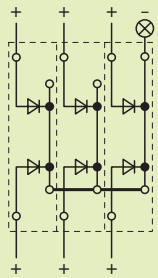
Examples of circuit configuration



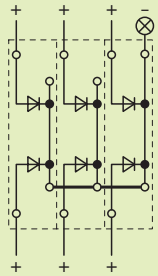
Used as recovery diodes



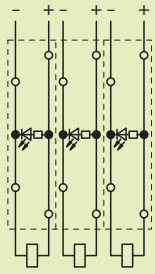
Used in lamp test circuit



Used in lamp test circuit



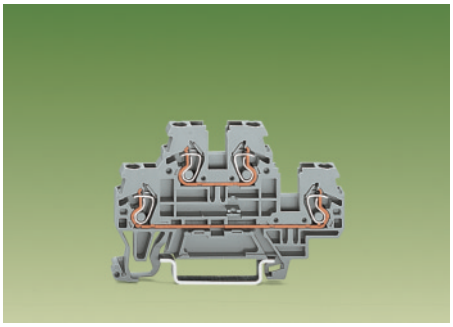
Used as collective fault indication



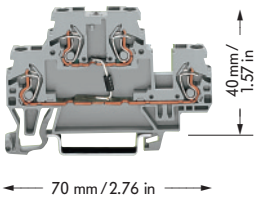
Voltage indication

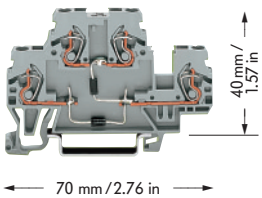
Double Deck Diode Terminal Blocks
Double Deck LED Terminal Blocks 2.5 mm²/4 mm² / AWG 12
Series 870

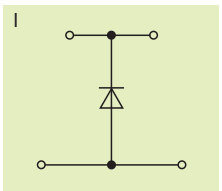
	0.08 – 2.5 mm²/4 mm² "f-st" ❶ | AWG 28 – 12 U_N 250 V; U_{RM} 1000 V 1 N 4007 – 0.5 A continuous current Terminal block width 5 mm / 0.197 in 6 – 7 mm / 0.26 in	0.08 – 2.5 mm²/4 mm² "f-st" ❶ | AWG 28 – 12 U_N 250 V; U_{RM} 1000 V 1 N 4007 – 0.5 A continuous current Terminal block width 5 mm / 0.197 in 6 – 7 mm / 0.26 in

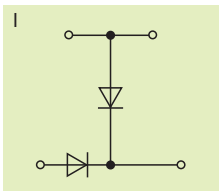


Through terminal blocks with the same shape see page 3.8









❶ Max. diameter of insulation: 4.4 mm / 0.173 in

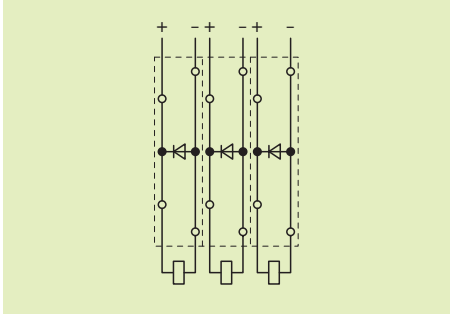
Description		Item No.	Pack. unit pcs		Item No.	Pack. unit pcs
Double deck diode terminal block		**Double deck diode terminal blocks**			**Double deck diode terminal blocks**	
and		**with diode 1 N 4007**			**with 2 diodes 1 N 4007**	
double deck LED terminal block, for DIN 35 rail	Circuit I, grey	**870-540/281-410**	50	Circuit I, grey	**870-541/281-492**	50
	Circuit II, grey	**870-540/281-411**	50	Circuit II, grey	**870-541/281-491**	50

Accessories

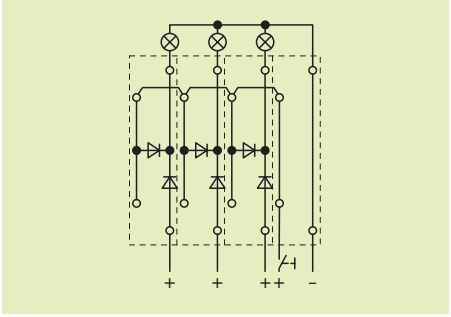
Appropriate marking system **WMB/Mini-WSB** (see section 14)

	**End and intermediate plate**	2 mm / 0.079 in thick			2 mm / 0.079 in thick	
		grey	**870-518**	100 (4 x 25)	grey	**870-518**	100 (4 x 25)
		orange	**870-519**	100 (4 x 25)	orange	**870-519**	100 (4 x 25)
	**Push-in type jumper bars,**	2-way	**870-402**	200 (8 x 25)	2-way	**870-402**	200 (8 x 25)
	light grey, insulated,	3-way	**870-403**	200 (8 x 25)	3-way	**870-403**	200 (8 x 25)
	I_N 18 A	4-way	**870-404**	200 (8 x 25)	4-way	**870-404**	200 (8 x 25)
		5-way	**870-405**	100 (4 x 25)	5-way	**870-405**	100 (4 x 25)
		:	:		:	:	
		10-way	**870-410**	100 (4 x 25)	10-way	**870-410**	100 (4 x 25)
	**Push-in type jumper bars,**						
	light grey, insulated,	from 1 to 3	**870-433**	200 (8 x 25)	from 1 to 3	**870-433**	200 (8 x 25)
	I_N 18 A	from 1 to 4	**870-434**	200 (8 x 25)	from 1 to 4	**870-434**	200 (8 x 25)
		from 1 to 5	**870-435**	100 (4 x 25)	from 1 to 5	**870-435**	100 (4 x 25)
		:	:		:	:	
		from 1 to 10	**870-440**	100 (4 x 25)	from 1 to 10	**870-440**	100 (4 x 25)

Exemples of circuit configuration

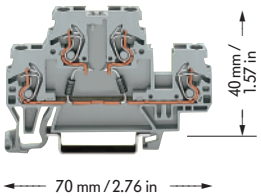


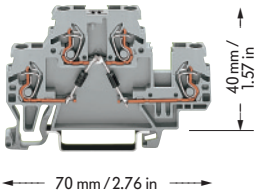
Used as recovery diodes

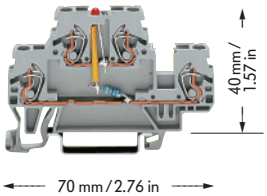


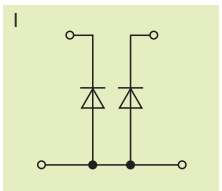
Used in lamp test circuit

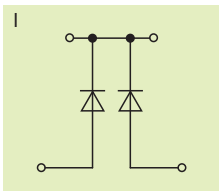
0.08 – 2.5 mm²/4 mm² "f-st" ❶ | AWG 28 – 12 U_N 250 V; U_{RM} 1000 V 1 N 4007 – 0.5 A continuous current Terminal block width 5 mm / 0.197 in 6 – 7 mm / 0.26 in	0.08 – 2.5 mm²/4 mm² "f-st" ❶ | AWG 28 – 12 U_N 250 V; U_{RM} 1000 V 1 N 4007 – 0.5 A continuous current Terminal block width 5 mm / 0.197 in 6 – 7 mm / 0.26 in	0.08 – 2.5 mm²/4 mm² "f-st" ❶ | AWG 28 – 12 DC 24 V I_F 25 mA max. Terminal block width 5 mm / 0.197 in 6 – 7 mm / 0.26 in

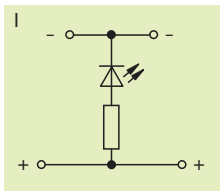




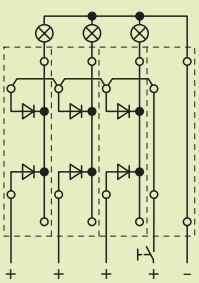




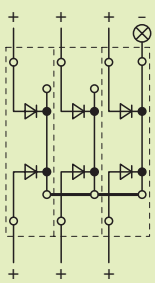




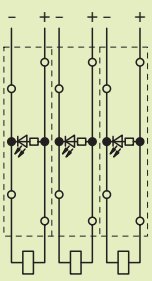
	Item No.	Pack. unit pcs		Item No.	Pack. unit pcs		Item No.	Pack. unit pcs
Double deck diode terminal blocks			**Double deck diode terminal blocks**			**Double deck LED terminal blocks**		
with 2 diodes 1 N 4007			**with 2 diodes 1 N 4007**			**with red LED,** DC 24 V		
Circuit I, grey	**870-542/281-487**	50	Circuit I, grey	**870-541/281-489**	50	Circuit I, grey	**870-543/281-434**	50
Circuit II, grey	**870-542/281-488**	50	Circuit II, grey	**870-541/281-490**	50	Circuit II, grey	**870-543/281-413**	50
Appropriate marking system **WMB/Mini-WSB** (see section 14)								
2 mm / 0.079 in thick			2 mm / 0.079 in thick			2 mm / 0.079 in thick		
grey	**870-518**	100 (4 x 25)	grey	**870-518**	100 (4 x 25)	grey	**870-518**	100 (4 x 25)
orange	**870-519**	100 (4 x 25)	orange	**870-519**	100 (4 x 25)	orange	**870-519**	100 (4 x 25)
2-way	**870-402**	200 (8 x 25)	2-way	**870-402**	200 (8 x 25)	2-way	**870-402**	200 (8 x 25)
3-way	**870-403**	200 (8 x 25)	3-way	**870-403**	200 (8 x 25)	3-way	**870-403**	200 (8 x 25)
4-way	**870-404**	200 (8 x 25)	4-way	**870-404**	200 (8 x 25)	4-way	**870-404**	200 (8 x 25)
5-way	**870-405**	100 (4 x 25)	5-way	**870-405**	100 (4 x 25)	5-way	**870-405**	100 (4 x 25)
:	:		:	:		:	:	
10-way	**870-410**	100 (4 x 25)	10-way	**870-410**	100 (4 x 25)	10-way	**870-410**	100 (4 x 25)
from 1 to 3	**870-433**	200 (8 x 25)	from 1 to 3	**870-433**	200 (8 x 25)	from 1 to 3	**870-433**	200 (8 x 25)
from 1 to 4	**870-434**	200 (8 x 25)	from 1 to 4	**870-434**	200 (8 x 25)	from 1 to 4	**870-434**	200 (8 x 25)
from 1 to 5	**870-435**	100 (4 x 25)	from 1 to 5	**870-435**	100 (4 x 25)	from 1 to 5	**870-435**	100 (4 x 25)
:	:		:	:		:	:	
from 1 to 10	**870-440**	100 (4 x 25)	from 1 to 10	**870-440**	100 (4 x 25)	from 1 to 10	**870-440**	100 (4 x 25)



Used in lamp test circuit



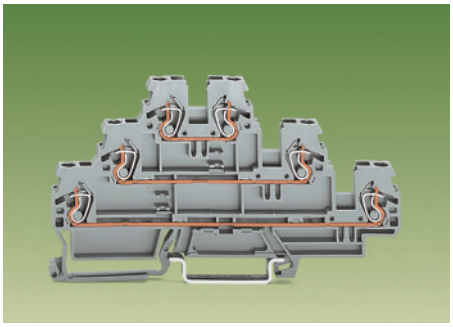
Used for collective fault indication



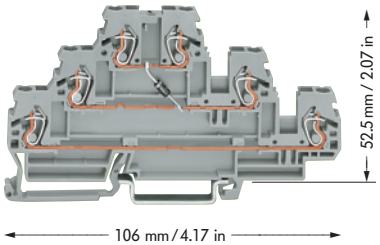
Used for voltage indication

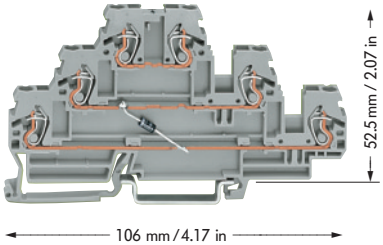
Triple Deck Diode Terminal Blocks
Triple Deck LED Terminal Blocks 2.5 mm²/4 mm² / AWG 12
Series 870

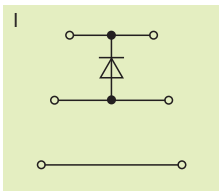
	0.08 – 2.5 mm²/4 mm² "f-st"❶ | AWG 28 – 12 U_N 250 V; U_{RM} 1000 V 1 N 4007 – 0.5 A continuous current Terminal block width 5 mm / 0.197 in 6 – 7 mm / 0.26 in	0.08 – 2.5 mm²/4 mm² "f-st"❶ | AWG 28 – 12 U_N 250 V; U_{RM} 1000 V 1 N 4007 – 0.5 A continuous current Terminal block width 5 mm / 0.197 in 6 – 7 mm / 0.26 in

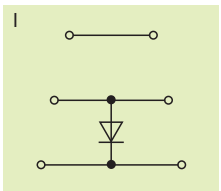


Through terminal blocks with the same shape see page 3.9









❶ Max. diameter of insulation: 4.4 mm / 0.173 in

Description		Item No.	Pack. unit pcs		Item No.	Pack. unit pcs
Triple deck diode terminal block		**Triple deck diode terminal blocks**			**Triple deck diode terminal blocks**	
and		**with diode 1 N 4007**			**with diode 1 N 4007**	
Triple deck LED terminal block, for DIN 35 rail	Circuit I, grey	**870-590/281-410**	50	Circuit I, grey	**870-590/281-675**	50
	Circuit II, grey	**870-590/281-411**	50	Circuit II, grey	**870-590/281-676**	50

Accessories

Appropriate marking system **WMB/Mini-WSB** (see section 14)



End and	2 mm / 0.079 in thick			2 mm / 0.079 in thick		
intermediate plate	grey	**870-568**	100 (4 x 25)	grey	**870-568**	100 (4 x 25)
	orange	**870-569**	100 (4 x 25)	orange	**870-569**	100 (4 x 25)

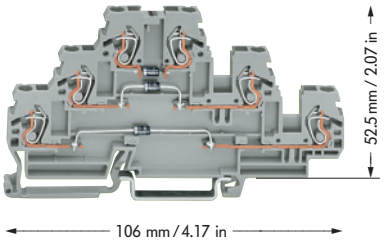


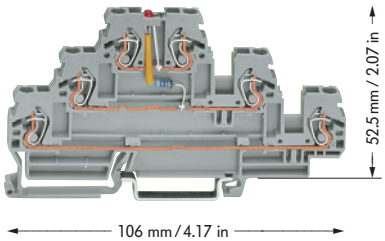
Push-in type jumper bars,	2-way	**870-402**	200 (8 x 25)	2-way	**870-402**	200 (8 x 25)
light grey, insulated,	3-way	**870-403**	200 (8 x 25)	3-way	**870-403**	200 (8 x 25)
I_N 18 A	4-way	**870-404**	200 (8 x 25)	4-way	**870-404**	200 (8 x 25)
	5-way	**870-405**	100 (4 x 25)	5-way	**870-405**	100 (4 x 25)
	:	:		:	:	
	10-way	**870-410**	100 (4 x 25)	10-way	**870-410**	100 (4 x 25)

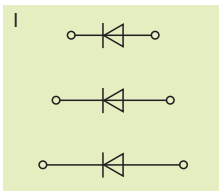


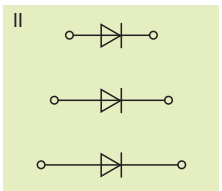
Push-in type jumper bars,					
light grey, insulated,	from 1 to 3	**870-433**	200 (8 x 25)	from 1 to 3	**870-433**	200 (8 x 25)
I_N 18 A	from 1 to 4	**870-434**	200 (8 x 25)	from 1 to 4	**870-434**	200 (8 x 25)
	from 1 to 5	**870-435**	100 (4 x 25)	from 1 to 5	**870-435**	100 (4 x 25)
	:	:		:	:	
	from 1 to 10	**870-440**	100 (4 x 25)	from 1 to 10	**870-440**	100 (4 x 25)

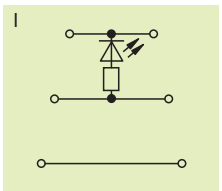
0.08 – 2.5 mm²/4 mm² "f-st" ❶ | AWG 28 – 12 U_N 250 V; U_{RM} 1000 V 1 N 4007 – 0.5 A continuous current Terminal block width 5 mm / 0.197 in 6 – 7 mm / 0.26 in	0.08 – 2.5 mm²/4 mm² "f-st" ❶ | AWG 28 – 12 DC 24 V I_F 25 mA max. Terminal block width 5 mm / 0.197 in 6 – 7 mm / 0.26 in	

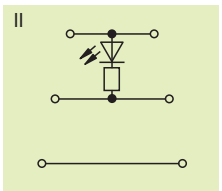










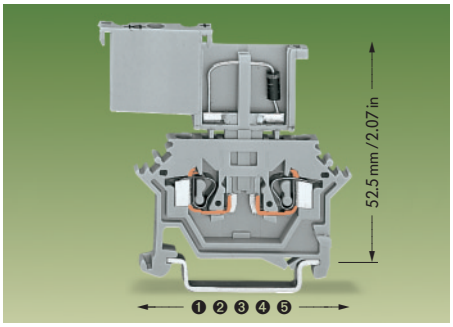


	Item No.	Pack. unit pcs		Item No.	Pack. unit pcs	
Triple deck diode terminal blocks			**Triple deck LED terminal blocks**			
with 3 diodes 1 N 4007			**with red LED,** DC 24 V			
Circuit I, grey	**870-596/281-673**	50	Circuit I, grey	**870-593/281-434**	50	
Circuit II, grey	**870-596/281-674**	50	Circuit II, grey	**870-593/281-413**	50	
Appropriate marking system **WMB/Mini-WSB** (see section 14)						
2 mm / 0.079 in thick			2 mm / 0.079 in thick			
grey	**870-568**	100 (4 x 25)	grey	**870-568**	100 (4 x 25)	
orange	**870-569**	100 (4 x 25)	orange	**870-569**	100 (4 x 25)	
2-way	**870-402**	200 (8 x 25)	2-way	**870-402**	200 (8 x 25)	
3-way	**870-403**	200 (8 x 25)	3-way	**870-403**	200 (8 x 25)	
4-way	**870-404**	200 (8 x 25)	4-way	**870-404**	200 (8 x 25)	
5-way	**870-405**	100 (4 x 25)	5-way	**870-405**	100 (4 x 25)	
:	:		:	:		
10-way	**870-410**	100 (4 x 25)	10-way	**870-410**	100 (4 x 25)	
from 1 to 3	**870-433**	200 (8 x 25)	from 1 to 3	**870-433**	200 (8 x 25)	
from 1 to 4	**870-434**	200 (8 x 25)	from 1 to 4	**870-434**	200 (8 x 25)	
from 1 to 5	**870-435**	100 (4 x 25)	from 1 to 5	**870-435**	100 (4 x 25)	
:	:		:	:		
from 1 to 10	**870-440**	100 (4 x 25)	from 1 to 10	**870-440**	100 (4 x 25)	

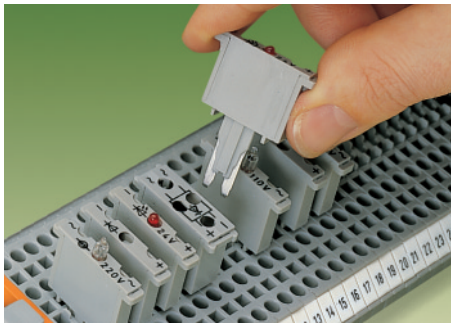
Pluggable Modules – Diodes on Carrier Terminal Blocks 2.5 mm² / AWG 14, Series 280

Diode module: diode 1 N 4007
V_N 250 V; V_{RM} 1000 V; 1 A max.
LED I_F 25 mA

Module width 5 mm / 0.197 in







open side of term. block	Description		Item No.	Pack. unit pcs
	Diode module,			
	5 mm / 0.197 in wide,		**280-801/281-411**	100
	diode 1 N 4007			
	Diode module, 5 mm / 0.197 in			
	wide, diode 1 N 4007 as	DC 24 V	**280-801/281-420**	100
	free-wheeling diode and LED	DC 48 V	**280-801/281-421**	100

Carrier terminal blocks for pluggable modules and accessories

(Marking accessories see section 14)

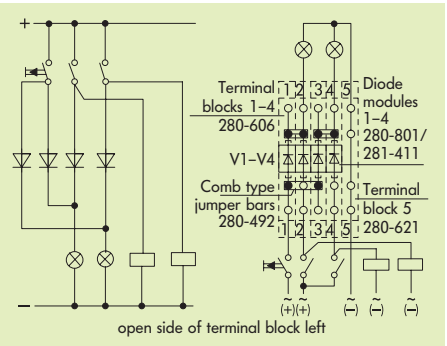
	2-cond. carrier term. block ❶,	Terminal block width 5 mm / 0.197 in		
	0.08 – 2.5 mm²/AWG 28 – 14	grey	**280-916**	100
	stripped length 8 – 9 mm / 0.33 in			
	End and intermediate plate,	2.5 mm / 0.098 in thick		
	for 2-conductor carrier terminal	orange	**280-309**	100 (4 x 25)
	block 280-916	grey	**280-308**	100 (4 x 25)
	2-cond. carrier term. block ❷,	Terminal block width 5 mm / 0.197 in		
	0.08 – 2.5 mm²/AWG 28 – 14	grey	**280-616**	100
	stripped length 8 – 9 mm / 0.33 in			
	End and intermediate plate,	2.5 mm / 0.098 in thick		
	for 2-conductor carrier terminal	orange	**280-331**	100 (4 x 25)
	block 280-616	grey	**280-330**	100 (4 x 25)
	3-cond. carrier term. block ❸,	Terminal block width 5 mm / 0.197 in		
	0.08 – 2.5 mm²/AWG 28 – 14	grey	**280-610**	100
	stripped length 8 – 9 mm / 0.33 in			
	End and intermediate plate,	2.5 mm / 0.098 in thick		
	for 3-conductor carrier terminal	orange	**280-326**	100 (4 x 25)
	block 280-610	grey	**280-324**	100 (4 x 25)
	4-cond. carrier term. block,	Terminal block width 5 mm / 0.197 in		
	0.08 – 2.5 mm²/AWG 28 – 14	grey		
	stripped length 8 – 9 mm / 0.33 in	**280-606 ❹**	**280-686 ❺**	100
	End and intermediate plate,	2.5 mm / 0.098 in thick		
	for 4-conductor orange	**280-317**	**280-315**	100 (4 x 25)
	terminal blocks grey	**280-316**	**280-314**	100 (4 x 25)
	Comb type jumper bar,	2-way	**280-482**	200 (8 x 25)
	insulated, see page 2.44	3-way	**280-483**	200 (8 x 25)
	$I_N = I_N$ of terminal block	10-way	**280-490**	50 (2 x 25)
	Alternate comb type			
	jumper bar, insulated,	2-way	**280-492**	200 (8 x 25)
	$I_N = I_N$ of terminal block			
	Operating tool,	2-way	**280-432**	1
	insulated	3-way	**280-433**	1
		10-way	**280-440**	1
	Wire commoning chain,	Commoning distance max. 120 mm / 4.72 in		
	insulated,	black	**210-103**	1
	50 connections, 8 A	blue	**210-123**	1

❶ 53 mm / 2.09 in
❷ 50 mm / 1.97 in
❸ 64 mm / 2.52 in
❹ Term. block marking on both sides 73 mm / 2.87 in
❺ Terminal block marking in center position 75 mm / 2.95 in

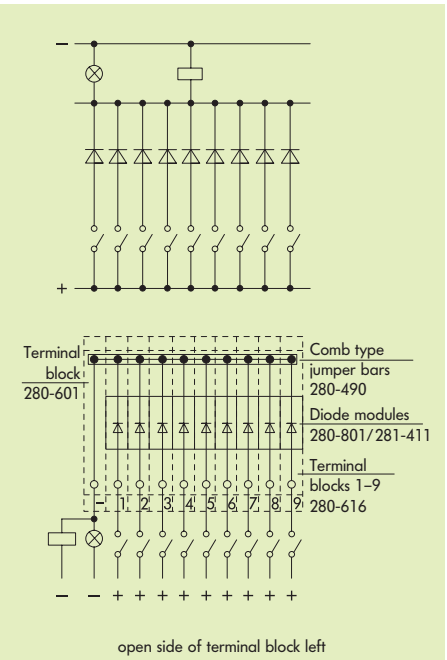
These diode modules, specially designed for the individual construction of, for example, lamp test circuits or collective fault indicating systems, offer the following advantages to the user:

- Separation into functional and wiring layer
- Polarized direction of switching
- High density with only 5 mm / 0.197 in width of terminal block and module.
- Quick and easy exchange of modules

Examples of circuit configuration



Lamp test circuit with blocking diodes

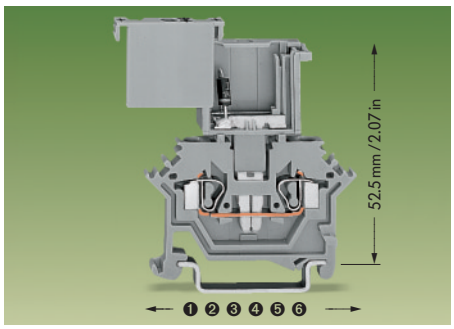


Diode gate for collective fault indication

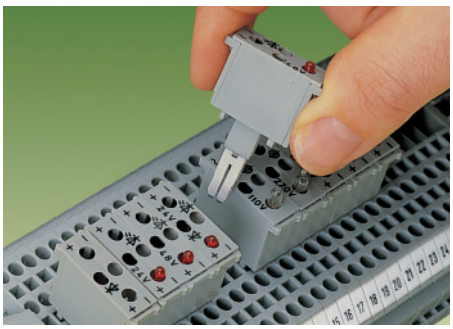
Pluggable Modules – Diodes on Through Terminal Blocks 2.5 mm² / AWG 14, Series 280

Diode module: diode 1 N 4007
V_N 250 V; V_{RM} 1000 V; 1 A max.

Module width 10 mm / 0.394 in







Description		Item No.	Pack. unit pcs
Diode module, 10 mm / 0.394 in wide, diode 1 N 4007 as free-wheeling diode		**280-803/281-411**	50
Diode module, 10 mm / 0.394 in wide, diode 1 N 4007 as free-wheeling diode and LED	DC 24 V	**280-803/281-420**	50
	DC 48 V	**280-803/281-421**	50

Through terminal blocks for pluggable modules and accessories

(Marking accessories see section 14)

Front-entry 2-cond. term. block, 0.08 – 2.5 mm²/AWG 28 – 12 stripped length 8 – 9 mm / 0.33 in	Terminal block width 5 mm / 0.197 in grey	**280-601** ❶	**280-901** ❷	100
End and intermediate plate, for 2-conductor terminal blocks	2.5 mm / 0.098 in thick orange	**280-331**	**280-309**	100 (4 x 25)
	grey	**280-330**	**280-308**	100 (4 x 25)
Front-entry 3-cond. term. bl. ❸, 0.08 – 2.5 mm²/AWG 28 – 12 stripped length 8 – 9 mm / 0.33 in	Terminal block width 5 mm / 0.197 in grey	**280-681**		100
End and intermediate plate, for 3-conductor terminal block 280-681	2.5 mm / 0.098 in thick orange	**280-326**		100 (4 x 25)
	grey	**280-324**		100 (4 x 25)
Front-entry 4-cond. term. block, 0.08 – 2.5 mm²/AWG 28 – 12 stripped length 8 – 9 mm / 0.33 in	Terminal block width 5 mm / 0.197 in grey	**280-621** ❹	**280-833** ❺	100
End and intermediate plate, for 4-conductor terminal blocks	2.5 mm / 0.098 in thick orange	**280-317**	**280-315**	100 (4 x 25)
	grey	**280-316**	**280-314**	100 (4 x 25)
Side-entry terminal block ❻, 0.08 – 2.5 mm²/AWG 28 – 12 stripped length 8 – 9 mm / 0.33 in	Terminal block width 5 mm / 0.197 in grey	**280-101**		100
End and intermediate plate, for side-entry terminal block 280-101	2.5 mm / 0.098 in thick orange	**280-302**		100 (4 x 25)
	grey	**280-301**		100 (4 x 25)
Adjacent jumper, insulated	I_N 24 A grey	**280-402**		200 (8 x 25)
Wire commoning chain, insulated, 50 connections, 8 A	Commoning distance max. 120 mm / 4.72 in black	**210-103**		1
	blue	**210-123**		1

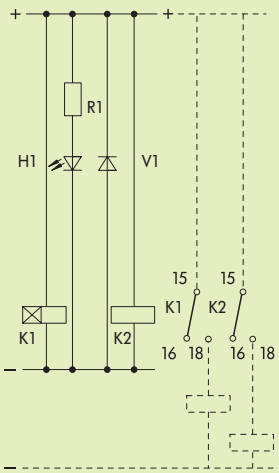
❶ Term. block marking on both sides 50 mm / 1.97 in
❷ Terminal block marking in center position 53 mm / 2.09 in
❸ Terminal block marking in center position 64 mm / 2.52 in
❹ Term. block marking on both sides 73 mm / 2.87 in
❺ Terminal block marking in center position 75 mm / 2.95 in
❻ Term. bl. marking on both sides 42.5 mm / 1.67 in

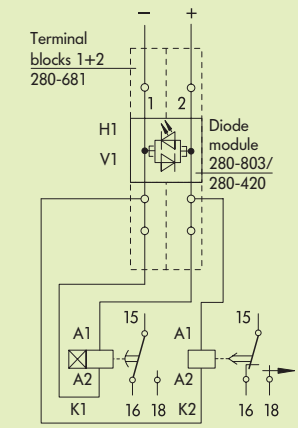
These diode modules are simply pushed into the contact slots of the current bars of two adjacent through terminal blocks like a push-in jumper.

This offers the following advantages to the user:
- The modules are suitable for **all** through terminal blocks of series 280.
- Existing terminal block assemblies can be refitted with diode modules without any problem.

Further advantages:
- Separation into functional and wiring layer.
- Modules can be replaced quick by other types of modules

Example of circuit configuration





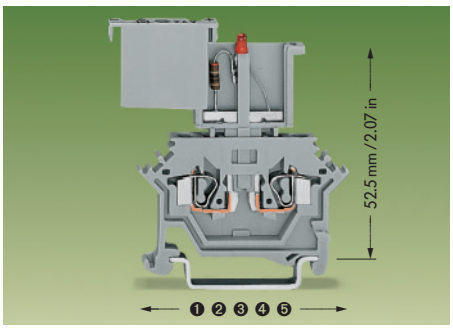
Free-wheeling diode and voltage check

Pluggable Modules – LED and Neon Indicators on Carrier Terminal Blocks 2.5 mm² / AWG 14, Series 280

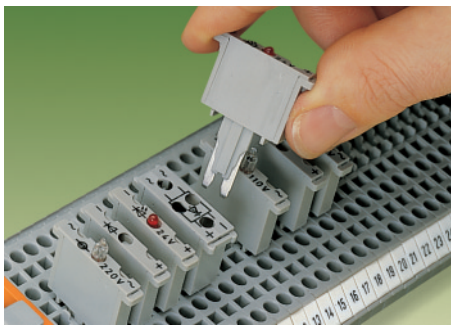
LED module:
$I_N \leq 5.6$ mA; $I_F \leq 25$ mA

Neon indicator module:
$I_N \leq 0.5$ mA

Module width 5 mm / 0.197 in







open side of term. block	Description		Item No.	Pack. unit pcs
	LED module,			
	5 mm / 0.197 in wide,	DC 24 V	**280-801/281-413**	100
	with red LED	DC 48 V	**280-801/281-414**	100
	LED module,			
	5 mm / 0.197 in wide,	AC/DC 24 V	**280-801/281-415**	100
	with red LED	AC/DC 48 V	**280-801/281-416**	100
	Neon indicator module,			
	5 mm / 0.197 in wide	AC/DC 110 V	**280-801/281-418**	100
		AC/DC 230 V	**280-801/281-417**	100
Carrier terminal blocks for pluggable modules and accessories		(Marking accessories see section 14)		
	2-cond. carrier term. block ❶,	Terminal block width 5 mm / 0.197 in		
	0.08 – 2.5 mm²/AWG 28 – 14	grey	**280-916**	100
	stripped length 8 – 9 mm / 0.33 in			
	End and intermediate plate,	2.5 mm / 0.098 in thick		
	for 2-conductor carrier terminal	orange	**280-309**	100 (4 x 25)
	block 280-916	grey	**280-308**	100 (4 x 25)
	2-cond. carrier term. block ❷,	Terminal block width 5 mm / 0.197 in		
	0.08 – 2.5 mm²/AWG 28 – 14	grey	**280-616**	100
	stripped length 8 – 9 mm / 0.33 in			
	End and intermediate plate,	2.5 mm / 0.098 in thick		
	for 2-conductor carrier terminal	orange	**280-331**	100 (4 x 25)
	block 280-616	grey	**280-330**	100 (4 x 25)
	3-cond. carrier term. block ❸,	Terminal block width 5 mm / 0.197 in		
	0.08 – 2.5 mm²/AWG 28 – 14	grey	**280-610**	100
	stripped length 8 – 9 mm / 0.33 in			
	End and intermediate plate,	2.5 mm / 0.098 in thick		
	for 3-conductor carrier terminal	orange	**280-326**	100 (4 x 25)
	block 280-610	grey	**280-324**	100 (4 x 25)
	4-cond. carrier term. block,	Terminal block width 5 mm / 0.197 in		
	0.08 – 2.5 mm²/AWG 28 – 14	grey		
	stripped length 8 – 9 mm / 0.33 in	**280-606 ❹**	**280-686 ❺**	100
	End and intermediate plate,	2.5 mm / 0.098 in thick		
	for 4-conductor orange	**280-317**	**280-315**	100 (4 x 25)
	terminal blocks grey	**280-316**	**280-314**	100 (4 x 25)
	Comb type jumper bar,	2-way	**280-482**	200 (8 x 25)
	insulated,	3-way	**280-483**	200 (8 x 25)
	$I_N = I_N$ of terminal block	10-way	**280-490**	50 (2 x 25)
	Alternate comb type			
	jumper bar, insulated,	2-way	**280-492**	200 (8 x 25)
	$I_N = I_N$ of terminal block			
	Operating tool,	2-way	**280-432**	1
	insulated	3-way	**280-433**	1
		10-way	**280-440**	1
	Wire commoning chain,	Commoning distance max. 120 mm / 4.72 in		
	insulated,	black	**210-103**	1
	50 connections, 8 A	blue	**210-123**	1

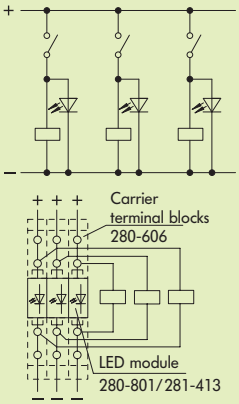
❶ 53 mm / 2.09 in
❷ 50 mm / 1.97 in
❸ 64 mm / 2.52 in
❹ Term. block marking on both sides 73 mm / 2.87 in
❺ Terminal block marking in center position 75 mm / 2.95 in

The monitoring of control and operating current circuits with LED and neon indicator modules on rail-mounted terminal blocks offers various advantages to the user:

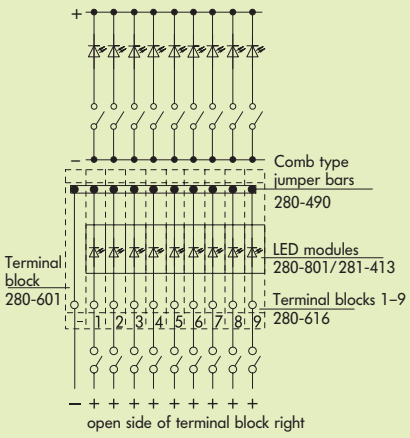
- No additional time and material cost
- Separation into functional and wiring layer
- Modules can be replaced quick and easily by other types of modules.

Futher advantages:
- Polarized direction of switching
- High density with only 5 mm / 0.197 in width of terminal block/fuse module.

Examples of circuit configuration



Voltage control refers to current circuits



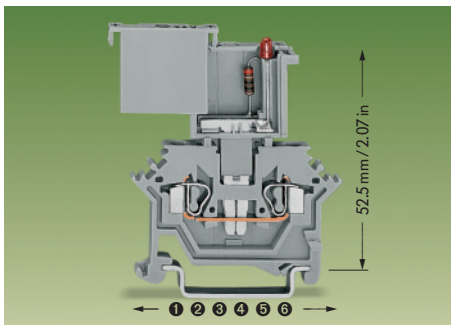
LED gate for collect. fault indication – individual display

Pluggable Modules – LED and Neon Indicators on Through Terminal Blocks 2.5 mm² / AWG 14, Series 280

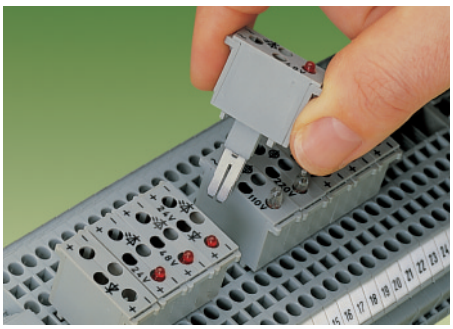
LED module:
$I_N \leq 5.6$ mA; $I_F \leq 25$ mA

Neon indicator module:
$I_N \leq 0.5$ mA

Module width 10 mm / 0.394 in







Description		Item No.	Pack. unit pcs
LED module,			
10 mm / 0.394 in wide,	DC 24 V	**280-803/281-413**	50
with red LED	DC 48 V	**280-803/281-414**	50
LED module,			
10 mm / 0.394 in wide,	AC/DC 24 V	**280-803/281-415**	50
with red LED	AC/DC 48 V	**280-803/281-416**	50
Neon indicator module,			
10 mm / 0.394 in wide	AC/DC 110 V	**280-803/281-418**	50
	AC/DC 230 V	**280-803/281-417**	50

Carrier terminal blocks for pluggable modules and accessories

(Marking accessories see section 14)

Front-entry 2-cond. term. block,	Terminal block width 5 mm / 0.197 in		
0.08 – 2.5 mm²/AWG 28 – 12	grey		
stripped length 8 – 9 mm / 0.33 in	**280-601** ❶	**280-901** ❷	100
End and intermediate plate,	2.5 mm / 0.098 in thick		
for 2-conductor orange	**280-331**	**280-309**	100 (4 x 25)
terminal blocks grey	**280-330**	**280-308**	100 (4 x 25)
Front-entry 3-cond. term. bl. ❸,	Terminal block width 5 mm / 0.197 in		
0.08 – 2.5 mm²/AWG 28 – 12	grey	**280-681**	100
stripped length 8 – 9 mm / 0.33 in			
End and intermediate plate,	2.5 mm / 0.098 in thick		
for 3-conductor terminal block	orange	**280-326**	100 (4 x 25)
280-681	grey	**280-324**	100 (4 x 25)
Front-entry 4-cond. term. block,	Terminal block width 5 mm / 0.197 in		
0.08 – 2.5 mm²/AWG 28 – 14	grey		
stripped length 8 – 9 mm / 0.33 in	**280-621** ❹	**280-833** ❺	100
End and intermediate plate,	2.5 mm / 0.098 in thick		
for 4-conductor orange	**280-317**	**280-315**	100 (4 x 25)
terminal blocks grey	**280-316**	**280-314**	100 (4 x 25)
Side-entry terminal block ❻,	Terminal block width 5 mm / 0.197 in		
0.08 – 2.5 mm²/AWG 28 – 14	grey	**280-101**	100
stripped length 8 – 9 mm / 0.33 in			
End and intermediate plate,	2.5 mm / 0.098 in thick		
for side-entry terminal block	orange	**280-302**	100 (4 x 25)
280-101	grey	**280-301**	100 (4 x 25)
Adjacent jumper,	I_N 24 A		
insulated	grey	**280-402**	200 (8 x 25)
Wire commoning chain,	Commoning distance max. 120 mm / 4.72 in		
insulated,	black	**210-103**	1
50 connections, 8 A	blue	**210-123**	1

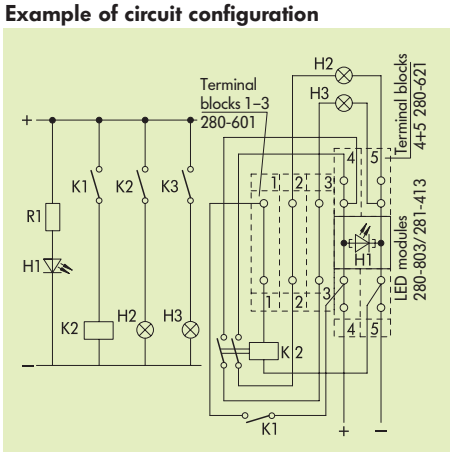
❶ Term. block marking on both sides 50 mm / 1.97 in
❷ Terminal block marking in center position 53 mm / 2.09 in
❸ Terminal block marking in center position 64 mm / 2.52 in
❹ Term. block marking on both sides 73 mm / 2.87 in
❺ Terminal block marking in center position 75 mm / 2.95 in
❻ Term. bl. marking on both sides 42.5 mm / 1.67 in

These LED and neon indicator modules are simply pushed into the contact slots of the current bars of two adjacent through terminal blocks like a push-in jumper.

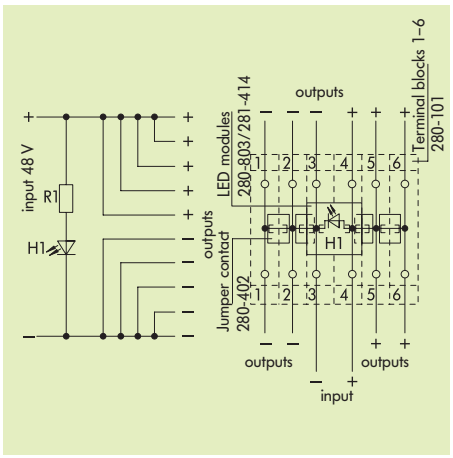
This offers the following advantages to the user:
- The modules are suitable for **all** through terminal blocks of series 280.
- Existing terminal block assemblies can be refitted with diode modules without any problem.

Further advantages:
- Separation into functional and wiring level.
- Modules can be replaced quick by other types of modules.

Example of circuit configuration



Control unit



Multiple outputs with illuminated indicator