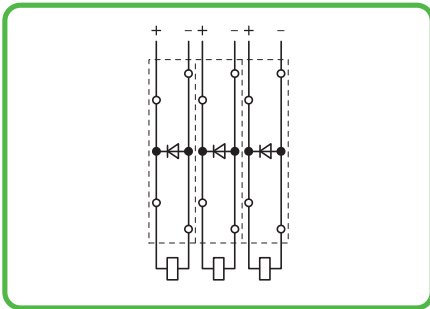
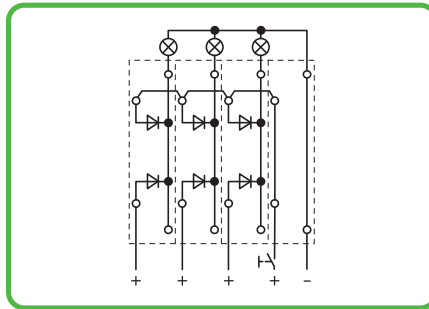


# Circuit Configuration Examples

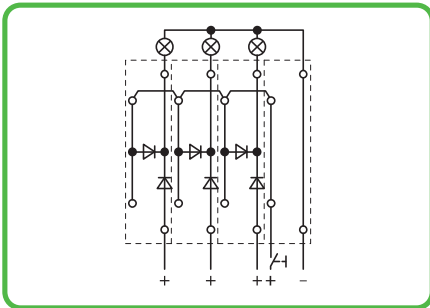
## Double-Deck Diode and LED Terminal Blocks



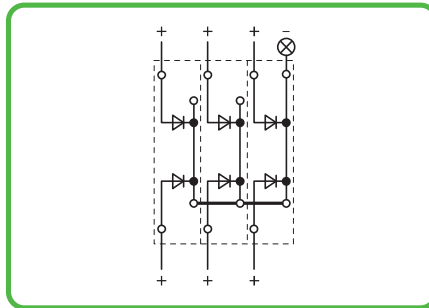
Recovery diodes can be created using the following terminal blocks:  
870-540/281-410 or  
870-540/281-411



Lamp test circuits can be created using the following terminal blocks:  
870-542/281-487 or  
870-542/281-488

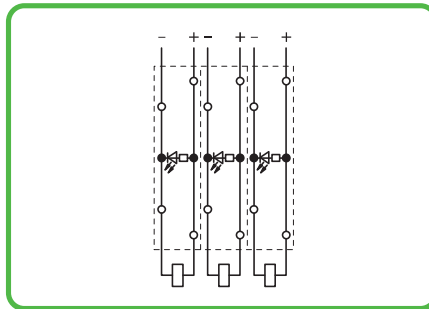


Lamp test circuits can be created using the following terminal blocks:  
870-541/281-410 or  
870-541/281-411










Collective fault signals can be created using the following terminal blocks:  
870-541/281-489 or  
870-541/281-490

**Double-deck diode terminal blocks** have been specially 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. The terminal blocks provide high-density wiring, while maintaining a width of only 5 mm/0.197 in. Push-in type jumper bars provide additional options for custom circuit design.



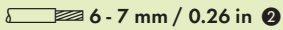
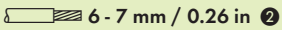
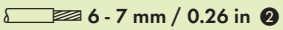
Circuit-related voltage indications can be created using the following terminal blocks:  
870-543/281-434 or  
870-543/281-413

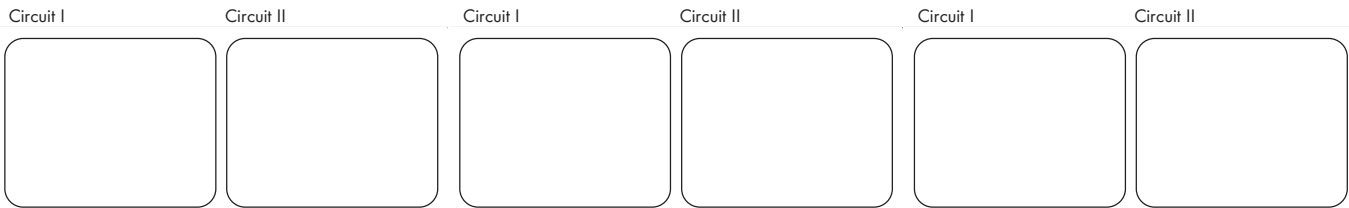
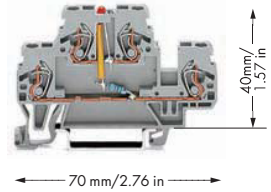
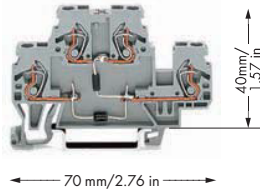
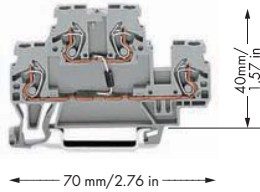
- 1 Max. insulation diameter: 4.4 mm
- 2 Strip length, see packaging or instructions.
- 3 See application notes for: Insulation stop, page 199

870 Series Accessories			
WMB/Miniature WSB (see Section 13)			
<b>End and intermediate plate, 2 mm thick</b>			
	orange	<b>870-519</b>	100 (4x25)
	gray	<b>870-518</b>	100 (4x25)
<b>Insulation stop,</b>			
	5 pcs/strip, 0.08 - 0.2 mm <sup>2</sup> "s" (0.14 mm <sup>2</sup> "f-st")		
	white	<b>280-470</b>	200 (8x25)
<b>Insulation stop,</b>			
	5 pcs/strip, 0.25 - 0.5 mm <sup>2</sup>		
	light gray	<b>280-471</b>	200 (8x25)
<b>Insulation stop,</b>			
	5 pcs/strip, 0.75 - 1 mm <sup>2</sup>		
	dark gray	<b>280-472</b>	200 (8x25)
<b>Push-in type jumper bar, insulated,</b>			
	I <sub>N</sub> 18 A, light gray		
	2-way	<b>870-402</b>	200 (8x25)
	3-way	<b>870-403</b>	200 (8x25)
	4-way	<b>870-404</b>	200 (8x25)
	5-way	<b>870-405</b>	100 (4x25)
	6-way	<b>870-406</b>	100 (4x25)
	7-way	<b>870-407</b>	100 (4x25)
	8-way	<b>870-408</b>	100 (4x25)
	9-way	<b>870-409</b>	100 (4x25)
	10-way	<b>870-410</b>	100 (4x25)
<b>Push-in type jumper bar, insulated,</b>			
	I <sub>N</sub> 18 A, light gray		
	from 1 to 3	<b>870-433</b>	200 (8x25)
	from 1 to 4	<b>870-434</b>	200 (8x25)
	from 1 to 5	<b>870-435</b>	100 (4x25)
	from 1 to 6	<b>870-436</b>	100 (4x25)
	from 1 to 7	<b>870-437</b>	100 (4x25)
	from 1 to 8	<b>870-438</b>	100 (4x25)
	from 1 to 9	<b>870-439</b>	100 (4x25)
	from 1 to 10	<b>870-440</b>	100 (4x25)
<b>Protective warning marker,</b>			
	with high-voltage symbol, black, for 5 terminal blocks		
	yellow	<b>280-405</b>	100 (4x25)

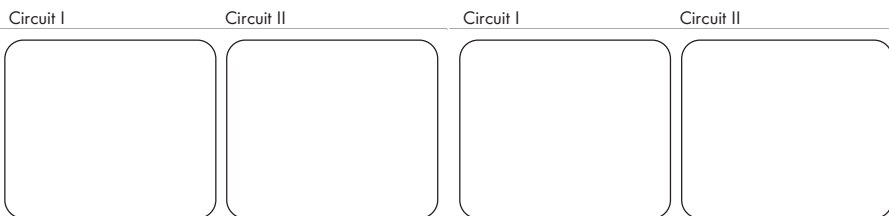
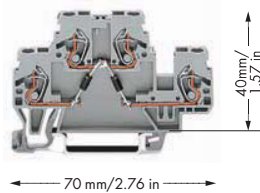
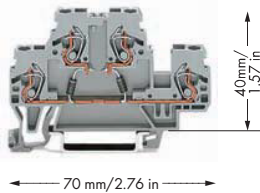
# 4 Double-Deck Diode Terminal Blocks and LED Terminal Blocks 2.5 mm<sup>2</sup> (4 mm<sup>2</sup> "f-st") 870 Series

288

<p>0.08 - 2.5 (4"f-st")mm<sup>2</sup>①   AWG 28 - 12          U<sub>N</sub> 250 V, U<sub>RM</sub> 1000 V          1N4007 - 0.5 A continuous current          Terminal block width 5 mm / 0.197 in   6 - 7 mm / 0.26 in ②</p>	<p>0.08 - 2.5 (4"f-st")mm<sup>2</sup>①   AWG 28 - 12          U<sub>N</sub> 250 V, U<sub>RM</sub> 1000 V          1N4007 - 0.5 A continuous current          Terminal block width 5 mm / 0.197 in   6 - 7 mm / 0.26 in ②</p>	<p>0.08 - 2.5 (4"f-st")mm<sup>2</sup>①   AWG 28 - 12          24 VDC          I<sub>f</sub> 0.025 A max.          Terminal block width 5 mm / 0.197 in   6 - 7 mm / 0.26 in ②</p>
---	---	--



Item No.	Pack. Unit	Item No.	Pack. Unit	Item No.	Pack. Unit
<b>Double-deck diode terminal block with 1N4007 diode, gray</b>		<b>Double-deck diode terminal block with 2 diodes 1N4007, gray</b>		<b>Double-deck LED terminal block with red LED, 24 VDC, gray</b>	
<input type="radio"/> Circuit I	<b>870-540/281-410</b> 50	<input type="radio"/> Circuit I	<b>870-541/281-492</b> 50	<input type="radio"/> Circuit I	<b>870-543/281-434</b> 50
<input type="radio"/> Circuit II	<b>870-540/281-411</b> 50	<input type="radio"/> Circuit II	<b>870-541/281-491</b> 50	<input type="radio"/> Circuit II	<b>870-543/281-413</b> 50



Item No.	Pack. Unit	Item No.	Pack. Unit	
<b>Double-deck diode terminal block with 2 diodes 1N4007, gray</b>		<b>Double-deck diode terminal block with 2 diodes 1N4007, gray</b>		<b>Through terminal blocks with same profile, see page 278</b>
<input type="radio"/> Circuit I	<b>870-542/281-487</b> 50	<input type="radio"/> Circuit I	<b>870-541/281-489</b> 50	
<input type="radio"/> Circuit II	<b>870-542/281-488</b> 50	<input type="radio"/> Circuit II	<b>870-541/281-490</b> 50	

For list of approvals and user guide, see pages 634 to 637.