



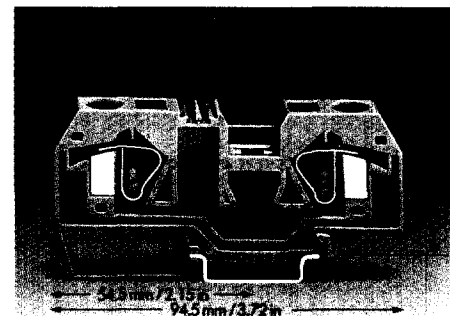
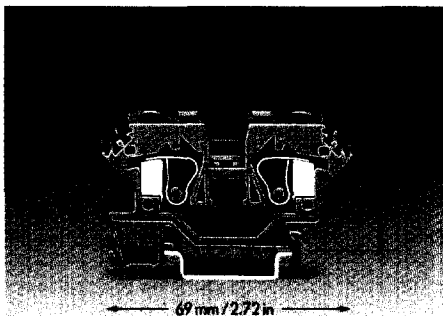











# 1 Through Terminal Blocks

40 Front-entry

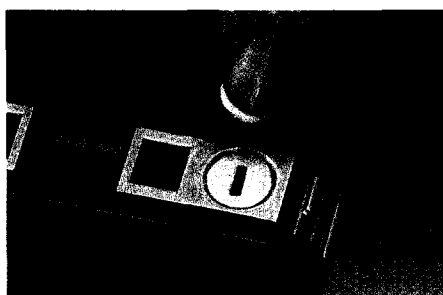
<p><b>0.2 – 10 mm<sup>2</sup></b>  <b>800 V/8 kV/3 ①</b>  <b>57 A</b></p> <p><b>Terminal block width 10 mm / 0.394 in</b>   <b>12 – 13 mm / 0.49 in</b></p> <p>* </p>	<p><b>AWG 24 – 8</b>  <b>600 V, 50 A ②</b>  <b>600 V, 65 A ③</b></p>	<p><b>0.2 – 16 mm<sup>2</sup></b>  <b>800 V/8 kV/3 ①</b>  <b>76 A</b></p> <p><b>Terminal block width 12 mm / 0.472 in</b>   <b>16 – 17 mm / 0.65 in</b></p> <p>* </p>	<p><b>AWG 24 – 6</b>  <b>600 V, 65 A ②</b>  <b>600 V, 70 A ③</b></p>
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- ① 800 V = rated voltage  
 8 kV = rated surge voltage  
 3 = pollution degree  
 (see also section 10)
- ② See application notes on pages 1.46 and 1.47
- ③ Serves as touchproof protection for unused clamping units
- ④ 85 A only when commanng terminal blocks 285-601 or 285-604



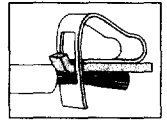
Description	Item-No.	Pack.-unit pcs	Item-No.	Pack.-unit pcs
<b>Through terminal block, for DIN 35 rail</b>	<b>2-conductor through terminal blocks</b>		<b>2-conductor through terminal blocks</b>	
	grey <b>284-601</b>	25	grey <b>283-901</b>	20
	blue <b>284-604</b>	25	blue <b>283-904</b>	20
<b>Terminal block types with the same shape</b>	gr. (earth) cond. <b>284-607</b>	page 1.64	gr. (earth) cond. <b>283-907</b>	page 1.65
<b>Accessories</b> (see also section 8)	Appropriate marking system <b>WMB/WSB/WFB</b>		Appropriate marking system <b>WMB/WSB/WFB</b>	
 <b>End and intermediate plate</b> <b>Separator plate, oversized</b>	orange 2.5 mm / 0.098 in thick <b>284-317</b>	grey <b>284-316</b>	100 (4 x 25)	orange 2.5 mm / 0.098 in thick <b>283-328</b>
	2 mm / 0.079 in thick <b>284-327</b>	<b>284-337</b>	100 (4 x 25)	grey 2 mm / 0.079 in thick <b>283-325</b>
				50 (2 x 25)
 <b>Screwless end stop</b>	6 mm / 0.236 in wide <b>249-116</b>	100 (4 x 25)	6 mm / 0.236 in wide <b>249-116</b>	100 (4 x 25)
	10 mm / 0.394 in wide <b>249-117</b>	50 (2 x 25)	10 mm / 0.394 in wide <b>249-117</b>	50 (2 x 25)
 <b>Adjacent jumper, insulated</b>	I <sub>N</sub> 57 A grey <b>284-402</b>	100 (4 x 25)	I <sub>N</sub> 70 A grey <b>283-402</b>	50 (2 x 25)
	yellow-green <b>284-422</b>	100 (4 x 25)	yellow-green <b>283-422</b>	50 (2 x 25)
 <b>Alternate jumper, insulated</b>	I <sub>N</sub> 57 A grey <b>284-409</b>	50 (2 x 25)	I <sub>N</sub> 76 A grey <b>283-409</b>	50 (2 x 25)
 <b>Test plug adapter, suitable for terminal blocks 1.5 mm<sup>2</sup> – 10 mm<sup>2</sup>/16 mm<sup>2</sup></b>	8 mm / 0.315 in wide <b>209-170</b>	50 (2 x 25)	11.6 mm / 0.457 in wide <b>283-404</b>	25
	for test plug 4 mm / 0.157 in ∅		for test plug 4 mm / 0.157 in ∅	
 <b>Protective warning marker, for 5 terminal blocks, fits into screwdriver slot</b>	yellow <b>284-415</b>	50 (2 x 25)	yellow <b>283-415</b>	50 (2 x 25)
 <b>Step-down jumper, ② ins., grey</b> 284/282 → 281/280/279 284/282 → 282/281	I <sub>N</sub> 15 A <b>284-414</b>	50 (2 x 25)	16 mm <sup>2</sup> /AWG 6 → 4 mm <sup>2</sup> /AWG 12 I <sub>N</sub> 32 A <b>283-414</b>	50 (2 x 25)
	I <sub>N</sub> 30 A <b>284-413</b>	50 (2 x 25)		
 <b>Cover plate, ② for step-down jumper application only</b>	orange 1 mm / 0.039 in thick <b>284-344</b>	grey <b>284-334</b>	25	1 mm / 0.039 in thick grey <b>283-357</b>
	1 mm / 0.039 in thick <b>284-346</b>	<b>284-336</b>	25	orange <b>283-367</b>
				25
 <b>Finger guard cover ③</b>	yellow <b>284-400</b>	100 (4 x 25)	yellow <b>283-400</b>	100 (4 x 25)

## Application notes



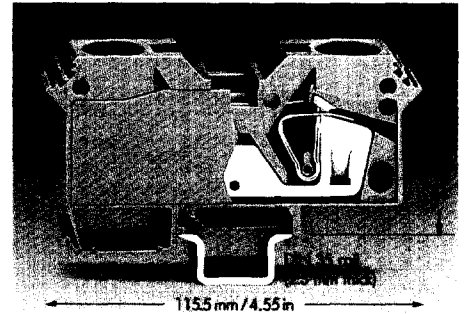
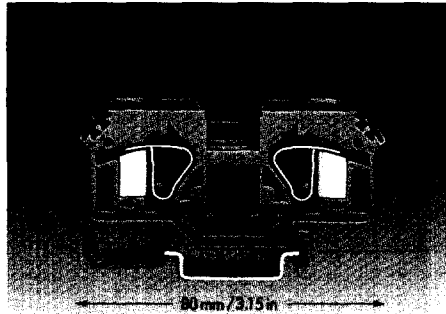
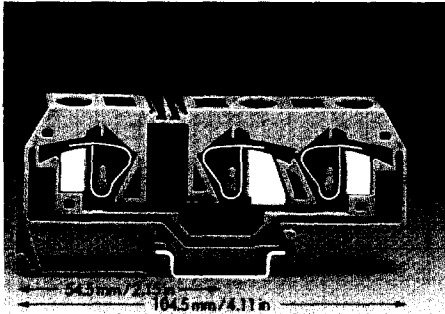
Finger guard cover snapped into unused clamping unit.

\* For further approvals with corresponding ratings see pages 10.3 ff.



<p><b>0.2 – 16 mm<sup>2</sup></b> 800 V/8 kV/3 Ⓛ 76 A</p> <p>Terminal block width 12 mm / 0.472 in 16 – 17 mm / 0.65 in</p>	<p><b>AWG 24 – 6</b> 600 V, 65 A Ⓛ 600 V, 70 A Ⓛ</p>	<p><b>0.2 – 16 mm<sup>2</sup></b> 800 V/8 kV/3 Ⓛ 76 A</p> <p>Terminal block width 12 mm / 0.472 in 16 – 17 mm / 0.65 in</p>	<p><b>AWG 24 – 6</b> 600 V, 65 A Ⓛ 600 V, 70 A Ⓛ</p>	<p><b>6 – 35 mm<sup>2</sup></b> 800 V/8 kV/3 Ⓛ 125 A</p> <p>Terminal block width 16 mm / 0.63 in 23 mm/0.91 in [16 mm/0.63 in for 35 mm<sup>2</sup> str.]</p>	<p><b>AWG 10 – 2</b> 600 V, 115 A Ⓛ 600 V, 150 A Ⓛ</p>
<p>*  CCA IEC GL LR</p>		<p>*  CCA IEC GL BV LR NV</p>		<p>*  CCA IEC GL BV LR NV</p>	

Attention! Cannot be used with jumpers!



Item-No.	Pack.-unit pcs	Item-No.	Pack.-unit pcs	Item-No.	Pack.-unit pcs
<b>3-conductor terminal blocks</b>		<b>2-conductor terminal blocks</b>		<b>2-conductor terminal blocks</b>	
grey <b>283-671</b>	20	grey <b>283-601</b>	25	grey <b>285-601</b>	15
blue <b>283-674</b>	20	blue <b>283-604</b>	25	blue <b>285-604</b>	15
orange <b>283-672</b>	20				
gr. (earth) cond. <b>283-677</b>	page 1.65	gr. (earth) cond. <b>283-607</b>	page 1.65	gr. (earth) cond. <b>285-607</b>	page 1.66
Appropriate marking system <b>WMB/WSB/WFB</b>		Appropriate marking system <b>WMB/WSB/WFB</b>		Appropriate marking system <b>WMB/WSB/WFB</b>	
orange grey		orange grey		end plate included	
2.5 mm/0.098 in thick <b>283-352 283-350</b>	50 (2 x 25)	4 mm/0.157 in thick <b>283-317 283-316</b>	50 (2 x 25)	orange grey	
2 mm/0.079 in thick <b>283-353 283-351</b>	50 (2 x 25)	2 mm/0.079 in thick <b>283-327 283-337</b>	50 (2 x 25)	2 mm/0.079 in thick <b>285-327 285-337</b>	25
6 mm/0.236 in wide <b>249-116</b>	100 (4 x 25)	6 mm/0.236 in wide <b>249-116</b>	100 (4 x 25)	6 mm/0.236 in wide <b>249-116</b>	100 (4 x 25)
10 mm/0.394 in wide <b>249-117</b>	50 (2 x 25)	10 mm/0.394 in wide <b>249-117</b>	50 (2 x 25)	10 mm/0.394 in wide <b>249-117</b>	50 (2 x 25)
		I <sub>N</sub> 70 A		I <sub>N</sub> 85 A Ⓛ	
		grey <b>283-402</b>	50 (2 x 25)	grey <b>283-402</b>	50 (2 x 25)
		yellow-green <b>283-422</b>	50 (2 x 25)	yellow-green <b>283-422</b>	50 (2 x 25)
		I <sub>N</sub> 76 A			
		grey <b>283-409</b>	50 (2 x 25)		
		11.6 mm/0.457 in wide		11.6 mm/0.457 in wide	
		<b>283-404</b>	25	<b>283-404</b>	25
		for test plug 4 mm/0.157 in Ø		for test plug 4 mm/0.157 in Ø	
yellow <b>283-415</b>	50 (2 x 25)	yellow <b>283-415</b>	50 (2 x 25)	yellow <b>285-415</b>	50 (2 x 25)
		16 mm <sup>2</sup> /AWG 6 → 4 mm <sup>2</sup> /AWG 12			
		I <sub>N</sub> 32 A <b>283-414</b>	50 (2 x 25)		
		1 mm/0.039 in thick			
		grey <b>283-334</b>	25		
		orange <b>283-336</b>	25		
yellow <b>283-400</b>	100 (4 x 25)	yellow <b>283-400</b>	100 (4 x 25)	yellow <b>285-400</b>	100 (4 x 25)

Front-entry rail-mounted terminal blocks of series 285 can be commoned with side-entry rail-mounted terminal blocks of series 283: 285-601 and 285-604 with 283-101 and 283-104 resp. jumper required: 283-402. Please note that the nominal current of the adjacent jumper should not exceed 63 A.

