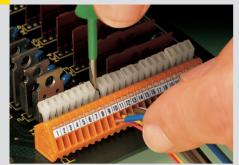
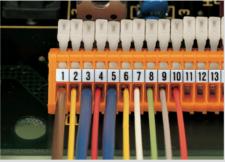
## Description and Handling PCB Terminal Strips with CAGE CLAMP® Series 233 and 234



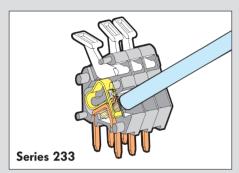
Connection/removal of conductors

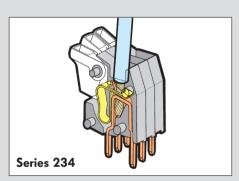


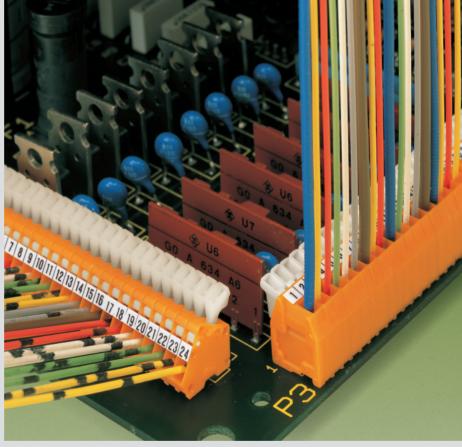
Rated cross section 0.5 mm<sup>2</sup>/AWG 20, in adjacent positions 0.75 mm<sup>2</sup>/AWG 18



Marking with self-adhesive marker strips or with customized direct printing









Connection/removal of conductors



Rated cross section 0.5 mm<sup>2</sup>/AWG 20, in adjacent positions 0.75 mm<sup>2</sup>/AWG 18

stranded



Marking with self-adhesive marker strips or with customized direct printing

**CAGE CLAMP®** connects the following copper wires:\*

## PCB Terminal Strips 0.5 mm<sup>2</sup>/AWG 20 Pin Spacing 2.54 mm / 0.1 in; Series 233

\* 🗫 🍪 📧 🕲 💿 🕙 GL BV NV 🕸 🗥 ABS

5 - 6 mm / 0.22 in

Pin spacing 2.54 mm/0.1 in
0.08 - 0.5 mm<sup>2</sup> 0 | AWG 28 - 20 0 | 150 V/2.5 kV/2 | 150 V, 4 A N ®

□ 5 – 6 mm / 0.22 in

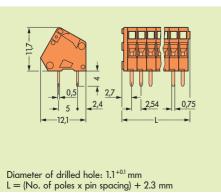
\* 🗫 🍕 KEE# (S) (D) 🕙 GL BV NV (®) 🗥 ABS

**Accessories** 

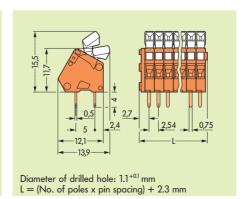




5 233-405 340 (4 x 85) 5 233-505 340 (4 x 85) 17-32 (400 x) 210-331/0254-0204 6 233-406 280 (4 x 70) 6 233-506 280 (4 x 70) 33-48 (400 x) 210-331/0254-0206 7 233-407 240 (4 x 60) 7 233-507 240 (4 x 60) 8 233-408 220 (4 x 55) 8 233-508 220 (4 x 55) For direct printing, please contact factory 9 233-409 200 (4 x 50) 9 233-509 200 (4 x 50) 10 233-410 180 (4 x 45) 10 233-510 180 (4 x 45) 12 233-412 140 (4 x 35) 12 233-512 140 (4 x 25) 16 233-516 100 (4 x 25) 24 233-424 80 (4 x 20) 24 233-524 80 (4 x 20) 25 235-524 80 (4 x 20) 25 235-525 25 25 25 25 25 25 25 25 25 25 25 25	No. of poles	Item No.	Packunit pcs	No. of poles	ltem No.	Packunit pcs		Item No.	Packunit pcs
2 233-402 600 (6 x 100) 2 233-502 600 (6 x 100) 3 233-403 500 (4 x 125) 3 233-503 500 (4 x 125) 1-16 (400 x) 210-331/0254-0204 6 233-405 340 (4 x 85) 5 233-505 340 (4 x 85) 17-32 (400 x) 210-331/0254-0204 6 233-406 280 (4 x 70) 6 233-506 280 (4 x 70) 33-48 (400 x) 210-331/0254-0206 7 233-407 240 (4 x 60) 7 233-507 240 (4 x 60) 7 233-507 240 (4 x 60) 7 233-507 240 (4 x 60) 7 233-508 220 (4 x 70) 33-48 (400 x) 210-331/0254-0206 7 233-408 220 (4 x 50) 9 233-508 220 (4 x 50) 9 10 233-409 200 (4 x 50) 9 233-509 200 (4 x 50) 10 233-410 180 (4 x 45) 10 233-510 180 (4 x 45) 12 233-512 140 (4 x 35) 12 233-51	Terminal strip	os without push butte	ons,	Terminal s	trips with push buttons,		Marker cards,		
2 233-402 600 (6 x 100) 2 233-502 600 (6 x 100) 3 233-403 500 (4 x 125) 3 233-503 500 (4 x 125) 4 233-404 400 (4 x 100) 4 233-504 400 (4 x 100) 5 233-405 340 (4 x 85) 5 233-505 340 (4 x 85) 6 233-406 280 (4 x 70) 6 233-506 280 (4 x 70) 7 233-407 240 (4 x 60) 7 233-507 240 (4 x 60) 8 233-408 220 (4 x 55) 8 233-509 200 (4 x 50) 9 233-409 200 (4 x 50) 9 233-509 200 (4 x 50) 10 233-410 180 (4 x 45) 10 233-510 180 (4 x 45) 12 233-412 140 (4 x 35) 12 233-512 140 (4 x 35) 16 233-416 100 (4 x 25) 16 233-516 100 (4 x 25) 24 233-424 80 (4 x 20) 24 233-524 80 (4 x 20)  Terminal strips without push buttons cannot be retrofitted with push buttons!  For other colors, please contact factory  Perating tool, for shop wiring  See section 11	standard lengths, other lengths contact factory,			standard lengths, other lengths contact factory,				100 self-adhesive	strips
2 233-402 600 (6 × 100) 2 233-502 600 (6 × 100) 3 3 233-403 500 (4 × 125) 3 233-503 500 (4 × 125) 400 (4 × 100) 1 -16 (400 x) 210-331/0254-0202 5 233-405 340 (4 x 85) 5 233-505 340 (4 x 85) 1-6 (400 x) 210-331/0254-0204 6 233-406 280 (4 x 70) 6 233-506 280 (4 x 70) 33-48 (400 x) 210-331/0254-0206 7 233-407 240 (x 60) 7 233-507 240 (4 x 60) 8 233-408 220 (4 x 55) 8 233-508 220 (4 x 55) 8 233-508 220 (4 x 55) 8 233-408 220 (4 x 50) 9 233-509 200 (4 x 50) 10 233-410 180 (4 x 45) 10 233-510 180 (4 x 45) 12 233-412 140 (4 x 35) 12 233-510 180 (4 x 45) 12 233-412 140 (4 x 35) 12 233-510 180 (4 x 45) 16 233-416 100 (4 x 25) 16 233-516 100 (4 x 25) 24 233-424 80 (4 x 20) 24 233-524 80 (4 x 20) 25 24 233-524 80 (4 x 20) 25 25 25 25 25 25 25 25 25 25 25 25 25	2 solder pins/pole, orange			2 solder pins/pole, orange			2/2/2/2/2	per card	
3 233-403 500 (4 x 125) 3 233-503 500 (4 x 125) Marking - pin spacing 2.54 mm/0.1 in 4 233-404 400 (4 x 100) 4 233-504 400 (4 x 100) 1-16 (400 x) 210-331/0254-0204 5 233-405 340 (4 x 85) 5 233-505 340 (4 x 85) 17-32 (400 x) 210-331/0254-0204 6 233-406 280 (4 x 70) 6 233-506 280 (4 x 70) 33-48 (400 x) 210-331/0254-0204 7 233-407 240 (4 x 60) 7 233-507 240 (4 x 60) 8 233-408 220 (4 x 55) 8 233-508 220 (4 x 55) For direct printing, please contact factory 9 233-409 200 (4 x 50) 9 233-509 200 (4 x 50) 10 233-410 180 (4 x 45) 10 233-510 180 (4 x 45) 12 233-412 140 (4 x 35) 12 233-512 140 (4 x 35) 16 233-416 100 (4 x 25) 16 233-516 180 (4 x 25) 24 233-424 80 (4 x 20) 24 233-524 80 (4 x 20)  Terminal strips without push buttons cannot be retrofitted with push buttons!							•   •   •   •   •   •   •   •   •   •		
4 233-404 400 (4 x 100) 4 233-504 400 (4 x 100) 1-16 (400 x) 210-331/0254-0202 5 233-405 340 (4 x 85) 5 233-505 340 (4 x 85) 17-32 (400 x) 210-331/0254-0204 6 233-406 280 (4 x 70) 6 233-506 280 (4 x 70) 33-48 (400 x) 210-331/0254-0206 7 233-407 240 (4 x 60) 7 233-507 240 (4 x 60) 8 233-408 220 (4 x 55) 8 233-508 220 (4 x 55) 10 233-410 180 (4 x 45) 10 233-510 180 (4 x 45) 12 233-412 140 (4 x 35) 12 233-510 180 (4 x 25) 16 233-416 100 (4 x 25) 16 233-516 100 (4 x 25) 24 233-424 80 (4 x 20) 24 233-524 80 (4 x 20)  For other colors, please contact factory  Perating swithout push buttons cannot be retrofitted with push buttons!			600 (6 x 100)			, ,			
5 233-405 340 (4 x 85) 5 233-505 340 (4 x 85) 17-32 (400 x) 210-331/0254-0204 6 233-406 280 (4 x 70) 6 233-506 280 (4 x 70) 33-48 (400 x) 210-331/0254-0206 7 233-407 240 (4 x 60) 7 233-507 240 (4 x 60) 8 233-408 200 (4 x 55) 8 233-508 200 (4 x 50) 9 233-409 200 (4 x 50) 9 233-509 200 (4 x 50) 10 233-410 180 (4 x 45) 10 233-510 180 (4 x 45) 12 233-412 140 (4 x 35) 12 233-512 140 (4 x 35) 12 233-516 100 (4 x 25) 16 233-516 100 (4 x 25) 24 233-424 80 (4 x 20) 24 233-524 80 (4 x 20) 24 23 24 24 24 24 24 24 24 24 24 24 24 24 24			, ,			, ,			
6 233-406 280 (4 x 70) 6 233-506 280 (4 x 70) 33-48 (400 x) 210-331/0254-0206 7 233-407 240 (4 x 60) 7 233-507 240 (4 x 60) 8 233-408 220 (4 x 50) 8 233-508 220 (4 x 50) 9 233-409 200 (4 x 50) 9 233-509 200 (4 x 50) 10 233-410 180 (4 x 45) 10 233-510 180 (4 x 45) 12 233-412 140 (4 x 35) 12 233-512 140 (4 x 35) 16 233-416 100 (4 x 25) 16 233-516 100 (4 x 25) 24 233-424 80 (4 x 20) 24 233-524 80 (4 x 20)  Terminal strips without push buttons cannot be retrofitted with push buttons!	•					, ,			
7 233-407 240 (4 × 60) 7 233-507 240 (4 × 60) 8 233-408 220 (4 × 55) 8 233-508 220 (4 × 55) For direct printing, please contact factory 9 233-409 200 (4 × 50) 9 233-509 200 (4 × 50) 10 233-410 180 (4 × 45) 10 233-510 180 (4 × 45) 12 233-412 140 (4 × 35) 12 233-512 140 (4 × 35) 16 233-416 100 (4 × 25) 16 233-516 100 (4 × 25) 24 233-424 80 (4 × 20) 24 233-524 80 (4 × 20)  Terminal strips without push buttons cannot be retrofitted with push buttons!  For other colors, please contact factory  Accessories  Operating tool, for shop wiring			, ,			,	` '		
8	6		280 (4 x 70)	6	233-506	, ,	33-48 (400 x)	210-331/0254-	<b>0206</b> 1 card
9 233-409 200 (4 x 50) 9 233-509 200 (4 x 50) 10 233-410 180 (4 x 45) 10 233-510 180 (4 x 45) 12 233-412 140 (4 x 35) 12 233-512 140 (4 x 35) 16 233-416 100 (4 x 25) 16 233-516 100 (4 x 25) 24 233-424 80 (4 x 20) 24 233-524 80 (4 x 20)  Terminal strips without push buttons cannot be retrofitted with push buttons!  For other colors, please contact factory  Accessories  Operating tool, for shop wiring  see section 11			, ,	•		, ,			
10	8	233-408	220 (4 x 55)	8	233-508	220 (4 x 55)	For direct printing,	please contact factor	У
12 233-412 140 (4 x 35) 12 233-512 140 (4 x 35) 16 233-516 100 (4 x 25) 24 233-424 80 (4 x 20) 24 233-524 80 (4 x 20)  Terminal strips without push buttons cannot be retrofitted with push buttons!  For other colors, please contact factory  Accessories  Operating tool, for shop wiring  see section 11	9	233-409	200 (4 x 50)	9	233-509	200 (4 x 50)			
16	10	233-410		10	233-510	180 (4 x 45)			
24 233-424 80 (4 x 20) 24 233-524 80 (4 x 20)  Terminal strips without push buttons cannot be retrofitted with push buttons!  For other colors, please contact factory  Accessories  Operating tool, for shop wiring  see section 11	12	233-412	140 (4 x 35)	12	233-512	140 (4 x 35)			
Terminal strips without push buttons cannot be retrofitted with push buttons!  For other colors, please contact factory please contact factory  Accessories  Operating tool, for shop wiring  see section 11	16	233-416	100 (4 x 25)	16	233-516	100 (4 x 25)			
retrofitted with push buttons!  For other colors, please contact factory please contact factory  Accessories  Operating tool, for shop wiring see section 11	24	233-424	80 (4 x 20)	24	233-524	80 (4 x 20)			
retrofitted with push buttons!  For other colors, please contact factory please contact factory  Accessories  Operating tool, for shop wiring see section 11									
For other colors, please contact factory please contact factory  Accessories  Operating tool, for shop wiring see section 11	Terminal strips	without push buttons o	annot be						
For other colors, please contact factory please contact factory  Accessories  Operating tool, for shop wiring see section 11	retrofitted with	push buttons!							
Please contact factory  Accessories  Operating tool, for shop wiring  see section 11									
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Please contact factory  Accessories  Operating tool, for shop wiring  see section 11									
Please contact factory  Accessories  Operating tool, for shop wiring  see section 11									
Accessories  Operating tool, for shop wiring  see section 11	For other colors,			For other colors,					
Accessories  Operating tool, for shop wiring  see section 11	please contact factory			please contact factory					
see section 11	Accessorie	es							
	Operating to	ol, for shop wiring							
		9							
Dimonsions (in man)		see section 11							
Dimonsions (to com)	//								
Difficusions (in mm)	Dimension	1S (in mm)							



\* Approvals with corresponding ratings see pages 12.3 ff.



1 in adjacent positions 0.75 mm<sup>2</sup>/AWG 18