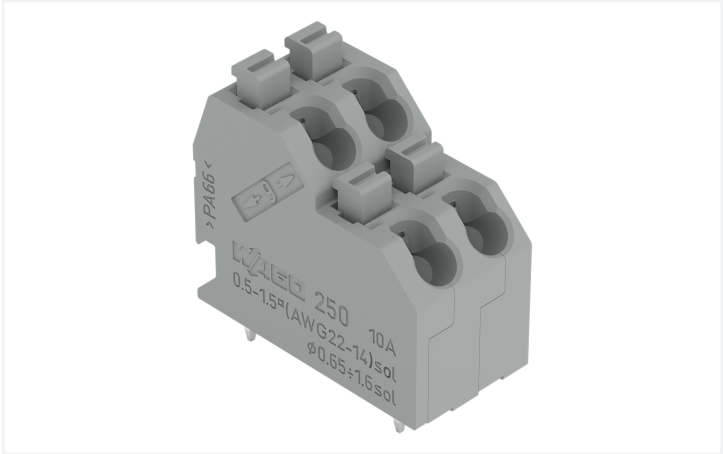


Data Sheet | Item Number: 250-706

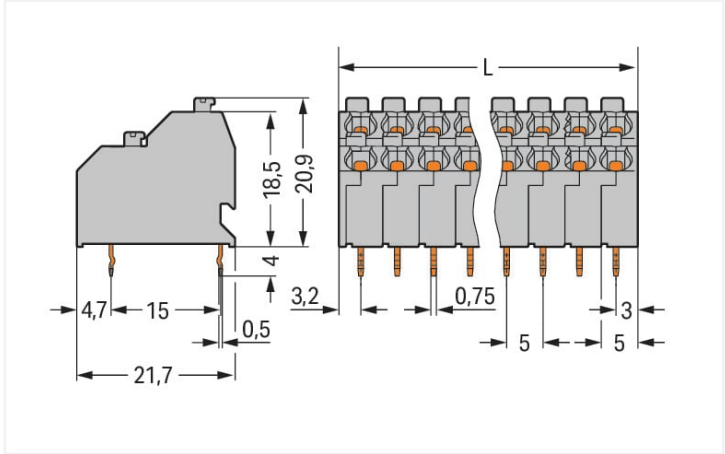
Double-deck PCB terminal block; push-button; 1.5 mm²; Pin spacing 5 mm; 12-pole;
Push-in CAGE CLAMP®; 1,50 mm²; agate gray

<https://www.wago.com/250-706>



Color: ■ agate gray

Similar to illustration



Dimensions in mm
 $L = ((\text{Polzahl} / 2) \times \text{Rastermaß}) + 1,2 \text{ mm}$

- Space-saving, double-deck terminal strips with push-buttons
- Push-in termination of solid and ferruled conductors
- Termination/removal of fine-stranded conductors via push-buttons
- 45° conductor entry angle provides easy, space-saving wiring

Notes	
Variants:	Direct marking Other versions (or variants) can be requested from WAGO Sales or configured at https://configurator.wago.com/ . Other pole numbers Other colors

Electrical data			
Ratings per		IEC/EN 60664-1	
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	320 V	320 V	630 V
Rated surge voltage	4 kV	4 kV	4 kV
Rated current	10 A	10 A	10 A
Approvals per		UL 1059	
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	10 A	-	10 A

Approvals per		CSA	
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	10 A	-	10 A



Connection data																						
Connection points	12	<div>Connection 1</div> <table><tr><td>Connection technology</td><td>Push-in CAGE CLAMP®</td></tr><tr><td>Actuation type</td><td>Push-button</td></tr><tr><td>Solid conductor</td><td>0.5 ... 1.5 mm² / 20 ... 16 AWG</td></tr><tr><td>Fine-stranded conductor</td><td>0.75 ... 1.5 mm²</td></tr><tr><td>Fine-stranded conductor; with insulated ferrule</td><td>0.5 ... 1 mm²</td></tr><tr><td>Fine-stranded conductor; with uninsulated ferrule</td><td>0.5 ... 1 mm²</td></tr><tr><td>Note (conductor cross-section)</td><td>Fine-stranded conductor 0.75 ... 1.5 mm² (I max. 4 A) Fine-stranded conductor 0.5 mm² (I max. 2 A)</td></tr><tr><td>Strip length</td><td>9 ... 10 mm / 0.35 ... 0.39 inches</td></tr><tr><td>Conductor connection direction to PCB</td><td>45 °</td></tr><tr><td>Pole number</td><td>12</td></tr></table>	Connection technology	Push-in CAGE CLAMP®	Actuation type	Push-button	Solid conductor	0.5 ... 1.5 mm² / 20 ... 16 AWG	Fine-stranded conductor	0.75 ... 1.5 mm²	Fine-stranded conductor; with insulated ferrule	0.5 ... 1 mm²	Fine-stranded conductor; with uninsulated ferrule	0.5 ... 1 mm²	Note (conductor cross-section)	Fine-stranded conductor 0.75 ... 1.5 mm² (I max. 4 A) Fine-stranded conductor 0.5 mm² (I max. 2 A)	Strip length	9 ... 10 mm / 0.35 ... 0.39 inches	Conductor connection direction to PCB	45 °	Pole number	12
Connection technology	Push-in CAGE CLAMP®																					
Actuation type	Push-button																					
Solid conductor	0.5 ... 1.5 mm² / 20 ... 16 AWG																					
Fine-stranded conductor	0.75 ... 1.5 mm²																					
Fine-stranded conductor; with insulated ferrule	0.5 ... 1 mm²																					
Fine-stranded conductor; with uninsulated ferrule	0.5 ... 1 mm²																					
Note (conductor cross-section)	Fine-stranded conductor 0.75 ... 1.5 mm² (I max. 4 A) Fine-stranded conductor 0.5 mm² (I max. 2 A)																					
Strip length	9 ... 10 mm / 0.35 ... 0.39 inches																					
Conductor connection direction to PCB	45 °																					
Pole number	12																					
Total number of potentials	12																					
Number of connection types	1																					
Number of levels	2																					

Physical data		
Pin spacing	5 mm / 0.197 inches	
Width	31.2 mm / 1.228 inches	
Height	24.9 mm / 0.98 inches	
Height from the surface	20.9 mm / 0.823 inches	
Depth	21.7 mm / 0.854 inches	
Solder pin length	4 mm	
Solder pin dimensions	0.5 x 0.75 mm	
Drilled hole diameter with tolerance	1.2 (-0.1 ... +0.1) mm	

PCB contact		
PCB contact	THT	
Solder pin arrangement	over the entire terminal strip (in-line)	
Number of solder pins per potential	1	

Material data		
Note (material data)	Information on material specifications can be found here	
Color	agate gray	
Material group	I	
Insulation material	Polyamide (PA66)	
Flammability class per UL94	V0	
Clamping spring material	Chrome-nickel spring steel (CrNi)	
Contact material	Electrolytic copper (E _{Cu})	
Contact plating	Tin	
Fire load	0.467 MJ	
Weight	11.6 g	



Environmental requirements	
Limit temperature range	-60 ... +105 °C

Commercial data	
Product Group	4 (Printed Circuit Connectors)
eCl@ss 10.0	27-44-04-01
eCl@ss 9.0	27-44-04-01
ETIM 8.0	EC002643
ETIM 7.0	EC002643
PU (SPU)	84 (21) pcs
Packaging type	Box
Country of origin	CH
GTIN	4044918300964
Customs tariff number	85369010000

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60998	NTR NL-7705/1	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
CCA DEKRA Certification B.V.	EN 60947	NTR NL 7833/2	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
CSA DEKRA Certification B.V.	C22.2	1132097			
KEMA/KEUR DEKRA Certification B.V.	EN 60947	2160584.18			
KEMA/KEUR DEKRA Certification B.V.	EN 60998	71-124629			
UL UL International Germany GmbH	UL 1059	E45172			

Approvals for marine applications

Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	-	19-HG1869876-PDA
DNV DNV GL SE	-	TAE000016Z



Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 250-706

Documentation

Additional Information
Technical Section
03.04.2019
pdf
2027.26 KB

CAD/CAE-Data

CAD data
2D/3D Models 250-706

CAE data
EPLAN Data Portal 250-706
ZUKEN Portal 250-706

PCB Design
Symbol and Footprint via SamacSys 250-706
Symbol and Footprint via Ultra Librarian 250-706

1 Compatible Products

1.1 Optional Accessories






1.1.1 Ferrule

1.1.1.1 Ferrule

Item No.: 216-241 Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white	Item No.: 216-201 Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white	Item No.: 216-221 Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white	Item No.: 216-141 Ferrule; Sleeve for 0.5 mm² / 20 AWG; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92
Item No.: 216-101 Ferrule; Sleeve for 0.5 mm² / AWG 22; un-insulated; electro-tin plated; silver-colored	Item No.: 216-121 Ferrule; Sleeve for 0.5 mm² / AWG 22; un-insulated; electro-tin plated; silver-colored	Item No.: 216-242 Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray	Item No.: 216-262 Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray
Item No.: 216-202 Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray	Item No.: 216-222 Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray	Item No.: 216-142 Ferrule; Sleeve for 0.75 mm² / 18 AWG; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92	Item No.: 216-102 Ferrule; Sleeve for 0.75 mm² / AWG 20; un-insulated; electro-tin plated; silver-colored







1.1.1.1 Ferrule

 Item No.: 216-122 Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-colored	 Item No.: 216-243 Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red	 Item No.: 216-263 Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red	 Item No.: 216-203 Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red
 Item No.: 216-223 Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red	 Item No.: 216-103 Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated	 Item No.: 216-143 Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92	 Item No.: 216-123 Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated; silver-colored


1.1.2 Marking

1.1.2.1 Marking strip

 Item No.: 210-332/500-202 Marking strips; as a DIN A4 sheet; MARKED; 1-16 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white	 Item No.: 210-332/500-205 Marking strips; as a DIN A4 sheet; MARKED; 1-32 (80x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white	 Item No.: 210-332/500-204 Marking strips; as a DIN A4 sheet; MARKED; 17-32 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white	 Item No.: 210-332/500-206 Marking strips; as a DIN A4 sheet; MARKED; 33-48 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white
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1.1.3 Test and measurement

1.1.3.1 Testing accessories

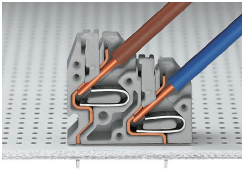
 Item No.: 210-136 Test plug; 2 mm Ø; with 500 mm cable; red
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1.1.4 Tool

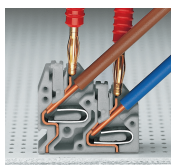
1.1.4.1 Operating tool

 Item No.: 210-719 Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft	 Item No.: 210-647 Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured
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Installation Notes

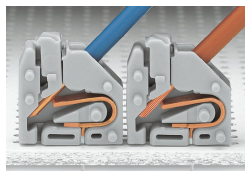


Space-saving wiring – push-in termination of solid conductors.



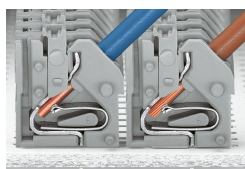
Testing with 2 mm Ø test plug – touch contact.

Conductor termination



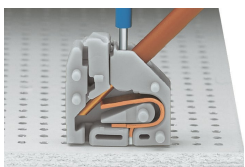
Inserting solid conductors via push-in termination.
Inserting fine-stranded conductors via push-buttons, 250 Series – 3.5 mm pin spacing.

Conductor termination

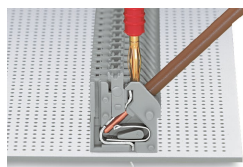


Space-saving wiring, 250 Series – 5 mm pin spacing.

Testing

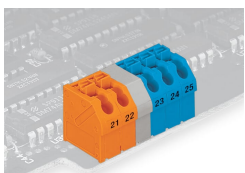


Testing with 11 mm Ø test pin, on the conductor, 250 Series – 2.5 ... 3.5 mm pin spacing.

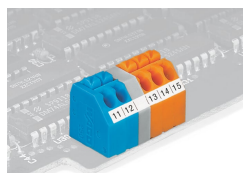


Testing with 2 mm Ø test plug, touch contact, 250 Series – 5 mm pin spacing.

Marking



Labeling via self-adhesive strips or direct marking. Mixed-color terminal strips (with or without spacer) are available upon request.



Labeling via self-adhesive strips or direct marking. Mixed-color terminal strips (with or without spacer) are available upon request.