

Modular PCB Terminal Blocks and Strips with Push-Buttons 2.5 mm²

Pin Spacing 5/5.08 mm, 7.5/7.62 mm, 10/10.16 mm

256 Series



- Modular terminal blocks and terminal strips with push-button actuated CAGE CLAMP® termination
-  version with Ex e (increased safety) approval
- Set to metric or inch pin spacing by compressing terminal strips together or pulling them apart
- Ideal for in-the-field wiring thanks to simplified push-button actuation
- Convenient, tool-free operation

Technical data:

Pin Spacing	5/5.08 mm 0.197/0.2 in			7.5/7.62 mm 0.295/0.3 in			10/10.16 mm 0.394/0.4 in		
Rating per	IEC/EN 60664-1			IEC/EN 60664-1			IEC/EN 60664-1		
Overvoltage category	III	III	II	III	III	II	III	III	II
Pollution degree	3	2	2	3	2	2	3	2	2
Rated voltage	250 V	320 V	630 V	320 V	320 V	630 V	500 V	630 V	1000 V
Rated surge voltage	4 kV	4 kV	4 kV	4 kV	4 kV	4 kV	6 kV	6 kV	6 kV
Nominal current	24 A	24 A	24 A	24 A	24 A	24 A	24 A	24 A	24 A
Approvals per	UL/CSA			UL/CSA			UL/CSA		
Use group UL 1059	B	C	D	B	C	D	B	C	D
Rated voltage	300 V	-	300 V	300 V	-	300 V	300 V	-	300 V
Nominal current UL	15 A	-	10 A	15 A	-	10 A	15 A	-	10 A
Nominal current CSA	15 A	-	10 A	15 A	-	10 A	15 A	-	10 A

Conductor and solder pin data:

Connection technology	CAGE CLAMP®
Conductor size: solid	0.08 - 2.5 mm ²
Conductor size: fine-stranded	0.08 - 2.5 mm ²
Conductor size: fine-stranded	0.25 - 1.5 mm ² (with insulated ferrule)
Conductor size: fine-stranded	0.25 - 1.5 mm ² (with uninsulated ferrule)
AWG	28 - 12 (12: THHN, THWN)
Strip length	5 - 6 mm / 0.20 - 0.24 in
Conductor entry angle	45° to PCB
Solder pin: length/width	4 (5.5) mm / 0.7 x 0.7 mm
Solder pin: drilled hole diameter	1.1 ^{+0.1} mm

Material data:

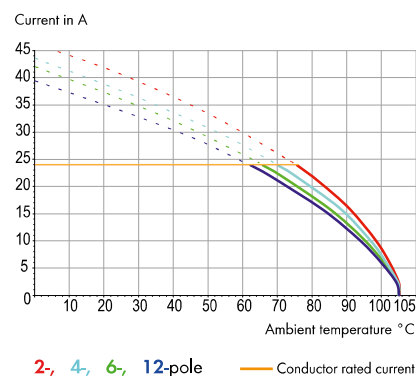
Material group	I
Insulating material	Nylon 6.6 (PA 6.6)
Flammability rating per UL 94	V0
Lower/Upper temperature limit	-60 °C / +105 °C
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Electrolytic copper (E _{Cu})
Contact plating	tin-plated

Technical data for Ex e II () versions:

Pin Spacing	5/5.08 mm 0.197/0.2 in	7.5/7.62 mm 0.295/0.3 in	10/10.16 mm 0.394/0.4 in
Rating per	ATEX: PTB 06 ATEX 1061 U IECEx: IECEx PTB 06.0042 U		
Rated voltage	176 V	275 V	352 V
Nominal current	16 A	16 A	16 A

Current-Carrying Capacity Curve

Pin spacing: 5 mm / Conductor size: 2.5 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1

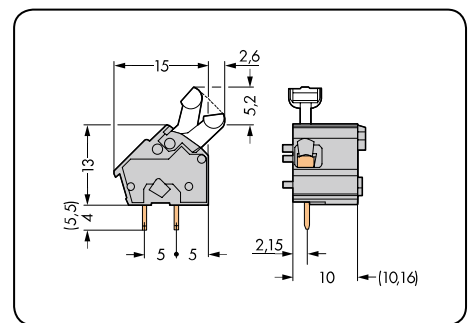
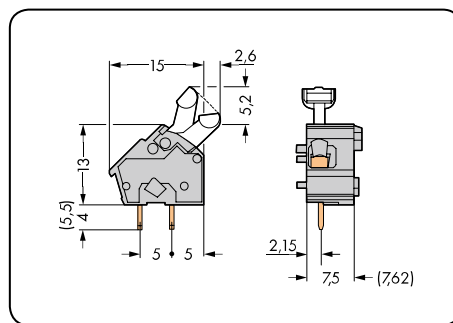
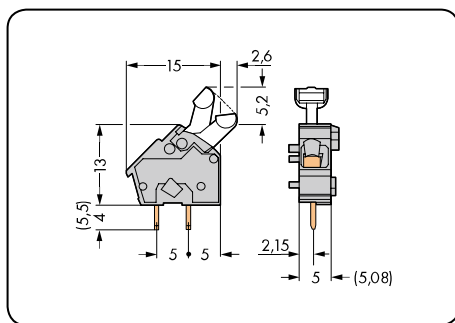


256 Series accessories:

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Pin spacing 5/5.08 mm / 0.2 in		Pin spacing 7.5/7.62 mm / 0.3 in		Pin spacing 10/10.16 mm / 0.4 in	
0.08 – 2.5 mm ² 320 V/4 kV/2 24 A	AWG 28 – 12 300 V/10 A	0.08 – 2.5 mm ² 320 V/4 kV/2 24 A	AWG 28 – 12 300 V/10 A	0.08 – 2.5 mm ² 630 V/6 kV/2 24 A	AWG 28 – 12 300 V/10 A



Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit	Color	Item No.	Pack. Unit
Modular terminal block with push-button, 2 solder pins/pole			Modular terminal block with push-button, 2 solder pins/pole			Modular terminal block with push-button, 2 solder pins/pole		
 gray	256-401	600 (6 x 100)	 gray	256-501	400 (4 x 100)	 gray	256-601	300 (3 x 100)
 red	256-740	600 (6 x 100)	 red	256-750	400 (4 x 100)	 red	256-760	300 (3 x 100)
 dark gray	256-742	600 (6 x 100)	 dark gray	256-752	400 (4 x 100)	 dark gray	256-762	300 (3 x 100)
 light gray	256-743	600 (6 x 100)	 light gray	256-753	400 (4 x 100)	 light gray	256-763	300 (3 x 100)
 blue	256-744	600 (6 x 100)	 blue	256-754	400 (4 x 100)	 blue	256-764	300 (3 x 100)
 orange	256-746	600 (6 x 100)	 orange	256-756	400 (4 x 100)	 orange	256-766	300 (3 x 100)
 light green	256-747	600 (6 x 100)	 light green	256-757	400 (4 x 100)	 light green	256-767	300 (3 x 100)
 Ex e II	256-743/999-950		 Ex e II	256-753/999-950		 Ex e II	256-763/999-950	
			 Suitable for Ex i applications			 Suitable for Ex i applications		
Item no. suffix for modular terminal blocks with 5.5 mm long solder pins: ...-.../332-000								

End plates for 256 Series,		Color	Item No.	Pack. Unit
snap-on type, 1 mm/0.039 in thick		gray	256-100	100
		dark gray	256-200	100
		light gray	256-300	100
		blue	256-400	100
		red	256-500	100
		orange	256-600	100
		light green	256-700	100
		black	256-800	100