



**Stackable PCB terminal block; 6 mm<sup>2</sup>; Pin spacing 7.5 mm; 1-pole; suitable for Ex-i applications; CAGE CLAMP®; commoning option**

Item No.: 745-834



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## Marking

RoHS ✓  
Compliant

## Business data

Supplier	WAGO
Item no.	745-834
GTIN / EAN	4044918302647
Content	1

## Notes

*Item description: Modular terminal blocks with screwdriver-actuated CAGE CLAMP® for custom terminal strip assemblies Also available with Ex e approval Comb-style jumper bars for commoning and distributing potentials Spacers for higher voltage applications Double solder pins for high mechanical stability Saves spaces thanks to positioning of terminal strips behind one another Integrated testing tap Marker slot for miniature WSB and WMB markers*

## Technical data

Miscellaneous

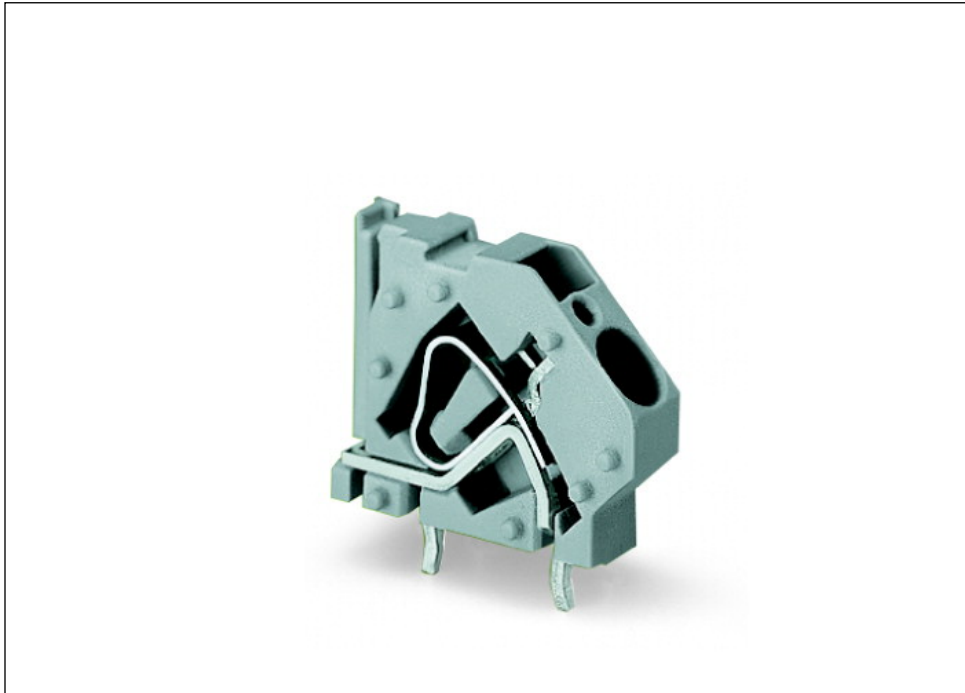
<b>Technical data</b>	
<i>Other versions (or variants) can be requested</i>	<i>Versions for Ex e II and Ex i</i>
<i>Ratings per</i>	<i>IEC/EN 60664-1</i>
<i>Rated voltage (III / 3) [V]</i>	<i>500 [V]</i>
<i>Rated impulse voltage (III / 3) [kV]</i>	<i>6 [kV]</i>
<i>Rated voltage (III/2) [V]</i>	<i>630 [V]</i>
<i>Rated impulse voltage (III / 2) [kV]</i>	<i>6 [kV]</i>
<i>Rated voltage (II / 2) [V]</i>	<i>1000 [V]</i>
<i>Rated impulse voltage (II / 2) [kV]</i>	<i>6 [kV]</i>
<i>Rated current [A]</i>	<i>41 [A]</i>
<i>Legend (ratings)</i>	<i>(III / 2) Overvoltage category III / Pollution degree 2</i>
<i>Approvals per</i>	<i>UL 1059</i>
<i>Rated voltage UL (Use Group B) [V]</i>	<i>300 [V]</i>
<i>Rated current UL (Use Group B) [A]</i>	<i>30 [A]</i>
<i>Rated voltage UL (Use Group C) [V]</i>	<i>150 [V]</i>
<i>Rated current UL (Use Group C) [A]</i>	<i>30 [A]</i>
<i>Rated voltage UL (Use Group D) [V]</i>	<i>300 [V]</i>
<i>Rated current UL (Use Group D) [A]</i>	<i>10 [A]</i>
<i>Rated voltage CSA (Use Group B) [V]</i>	<i>300 [V]</i>
<i>Rated current CSA (Use Group B) [A]</i>	<i>30 [A]</i>
<i>Rated voltage CSA (Use Group C) [V]</i>	<i>150 [V]</i>
<i>Rated current CSA (Use Group C) [A]</i>	<i>30 [A]</i>
<i>Rated voltage CSA (Use Group D) [V]</i>	<i>300 [V]</i>
<i>Rated current CSA (Use Group D) [A]</i>	<i>10 [A]</i>
<i>No. of poles</i>	<i>1</i>
<i>Total number of connection points</i>	<i>1</i>
<i>Total number of potentials</i>	<i>1</i>
<i>Number of connection types</i>	<i>1</i>
<i>Number of levels</i>	<i>1</i>
<i>Connection technology</i>	<i>CAGE CLAMP®</i>
<i>Actuation type</i>	<i>Operating tool</i>
<i>Solid conductor</i>	<i>0.2 ... 6 mm<sup>2</sup> / 24 ... 10 AWG</i>
<i>Fine-stranded conductor</i>	<i>0.2 ... 6 mm<sup>2</sup> / 24 ... 10 AWG</i>

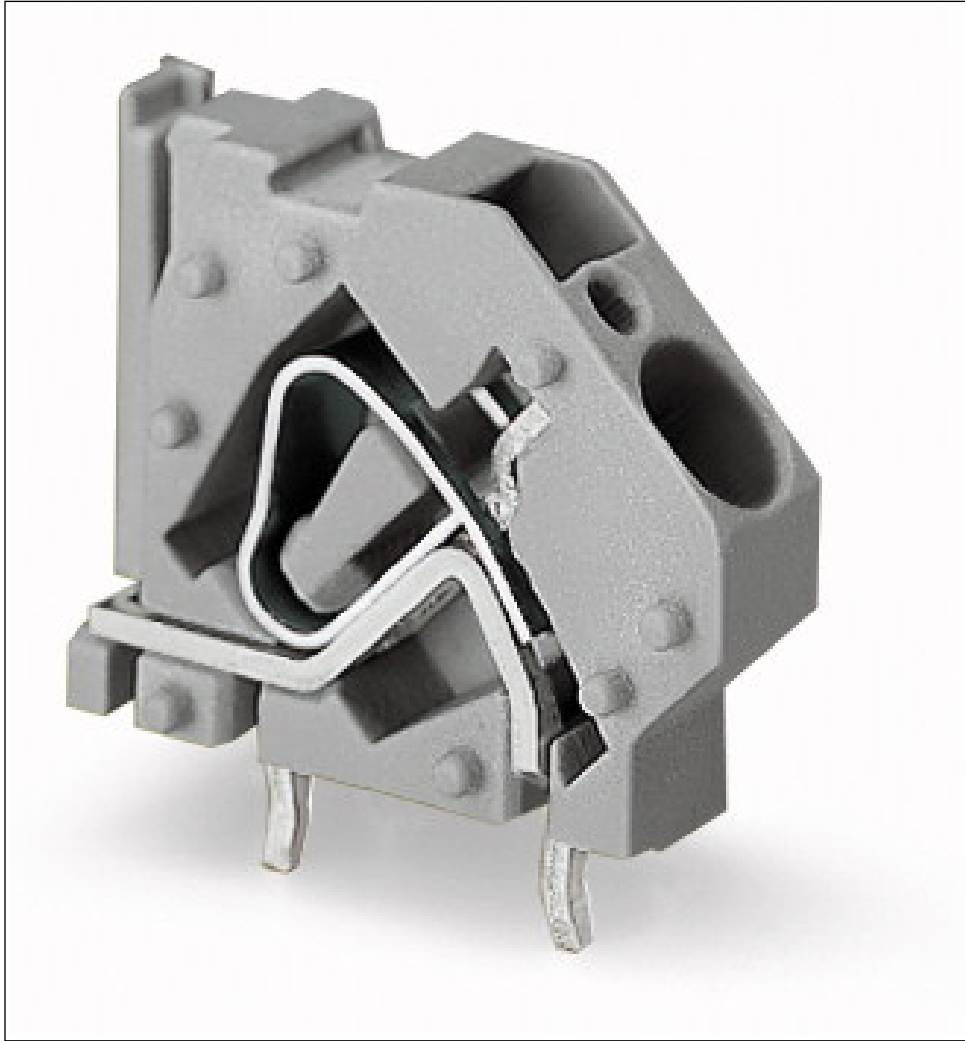
<b>Technical data</b>	
<i>Fine-stranded conductor with ferrule with plastic collar</i>	0.25 ... 4 mm <sup>2</sup>
<i>Fine-stranded conductor with ferrule without plastic collar</i>	0.25 ... 4 mm <sup>2</sup>
<i>Strip length</i>	11 ... 12 mm / 0.43 ... 0.47 Inch
<i>Conductor entry angle to the PCB [°]</i>	45 [°]
<i>Pin spacing</i>	7.5 mm (0.295 in)
<i>Width</i>	9 mm / 0.354 Inch
<i>Height</i>	27.5 mm / 1.083 Inch
<i>Height from the surface</i>	23 mm / 0.906 Inch
<i>Depth</i>	29.1 mm / 1.146 Inch
<i>Solder pin length [mm]</i>	4.5 [mm]
<i>Solder pin dimensions</i>	1 x 1.4 mm
<i>Drilled hole diameter (tolerance) [mm]</i>	1.8(+ 0.1) [mm]
<i>PCB contact</i>	THT
<i>Solder pin arrangement</i>	within the terminal block, in line
<i>Number of solder pins per potential</i>	2
<i>Color</i>	blue
<i>Material group</i>	I
<i>Insulating material</i>	Polyamide 66 (PA 66)
<i>Flammability class per UL94</i>	V0
<i>Clamping spring material</i>	Chrome nickel spring steel (CrNi)
<i>Contact material</i>	Electrolytic copper (Ecu)
<i>Contact plating</i>	tin-plated
<i>Fire load [MJ]</i>	0.075 [MJ]
<i>Weight [g]</i>	4.839 [g]
<i>Limit temperature range</i>	-60 ... 105 °C
<i>Pin spacing from [in]</i>	0.295 [in]
<i>Pin spacing from [mm]</i>	7.5 [mm]
<i>Main product function</i>	PCB terminal block
<i>Ancillary product function</i>	Jumper slot
<i>Product type</i>	PCB terminal blocks

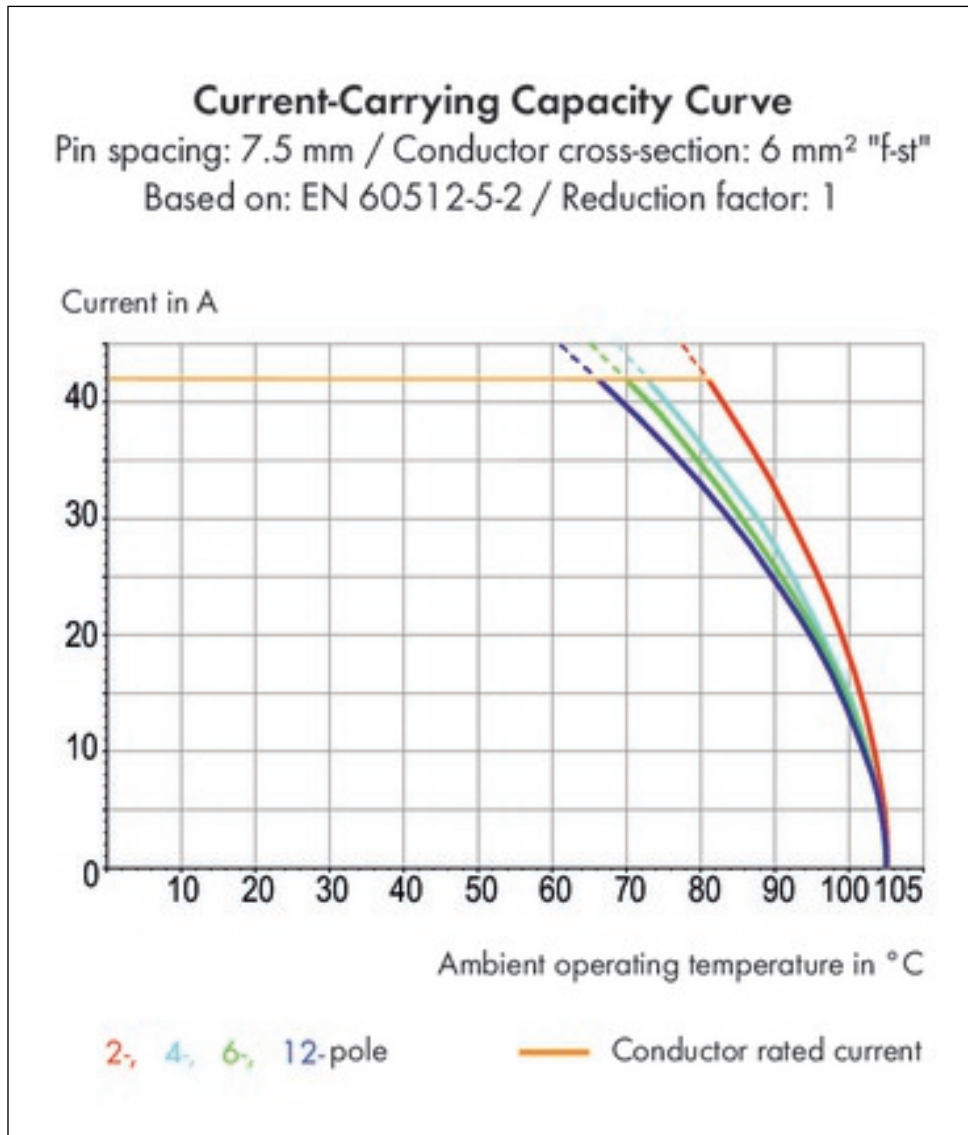
Printview: Stackable PCB terminal block; 6 mm<sup>2</sup>; Pin spacing 7.5 mm; 1-pole; suitable for Ex-i applications; CAGE CLAMP®; commoning option - Item No.: 745-834

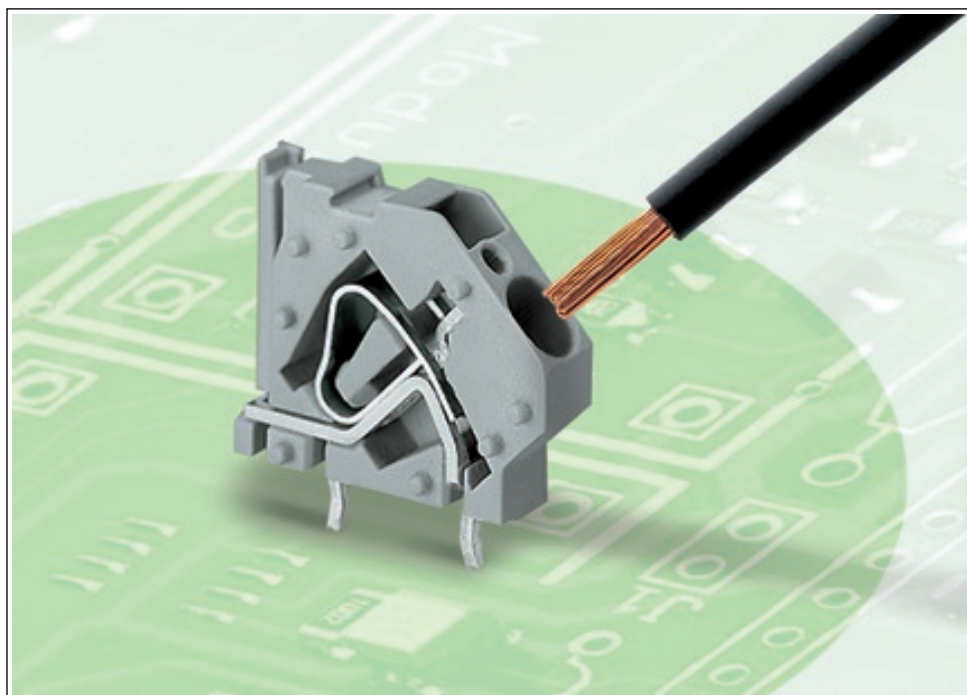
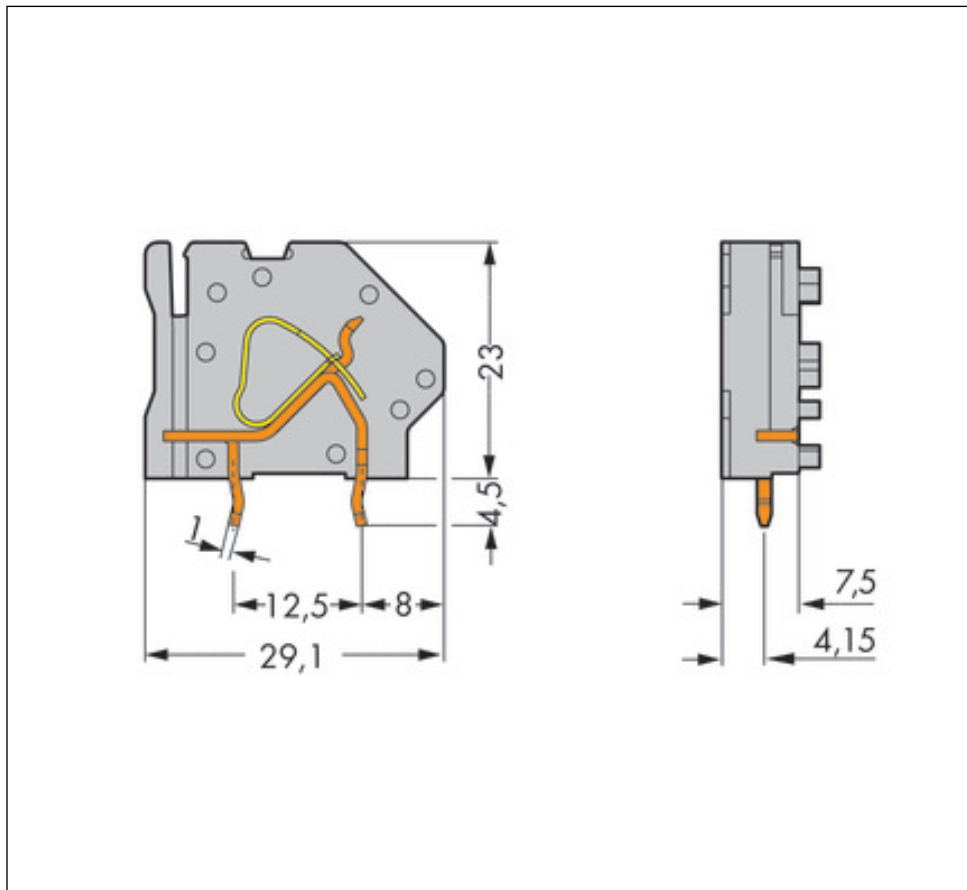
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## Images & drawings









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Technische Änderungen und Irrtümer vorbehalten.