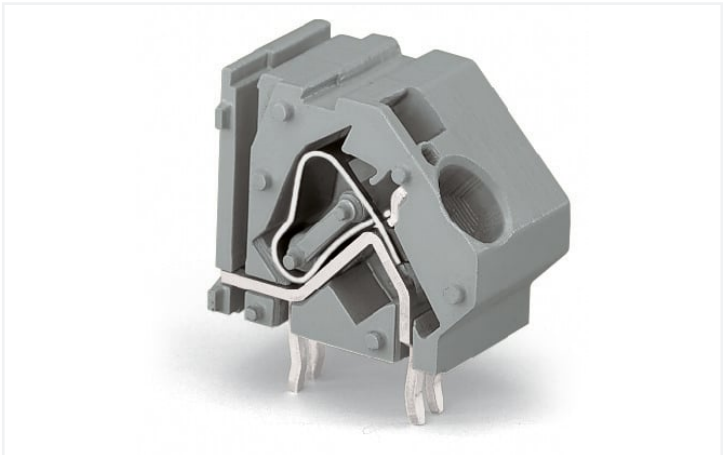
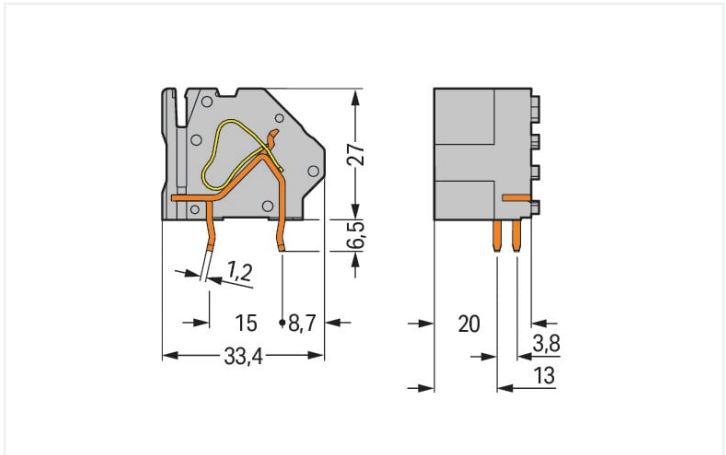


Data Sheet | Item Number: 745-881/007-000
Stackable PCB terminal block; 16 mm²; Pin spacing 20 mm; 1-pole; CAGE CLAMP®; commoning option; Solder pin length 5 mm; 16,00 mm²; gray
<https://www.wago.com/745-881/007-000>

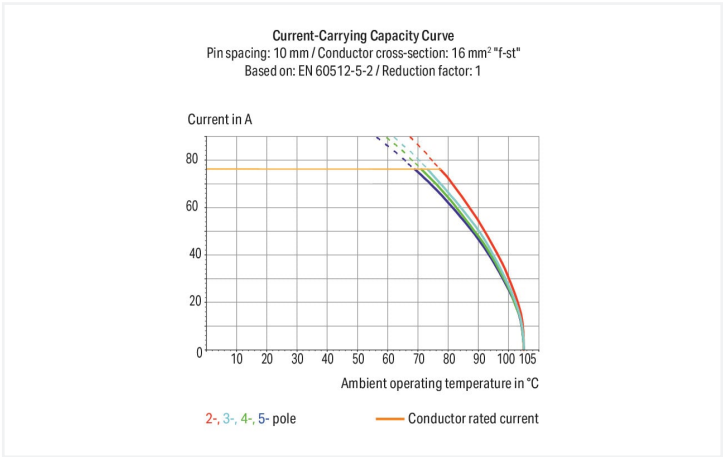


Color: ■ gray

Similar to illustration



Dimensions in mm



- Modular terminal blocks with screwdriver-actuated CAGE CLAMP® for custom terminal strip assemblies
- Versions with Ex approval
- Unrestricted UL approval up to 600 V with 20 mm pin spacing
- Common and distribute potentials via comb-style jumper bars
- Four solder pins for high mechanical stability
- Integrated testing tap
- Marker slot for Mini-WSB markers

Notes			
Variants:		Versions for Ex e II and Ex i Other colors Solder pin length: 5 mm Other versions (or variants) can be requested from WAGO Sales or configured at https://configurator.wago.com/ .	

Electrical data			
Ratings per		IEC/EN 60664-1	
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	1000 V	1000 V	1000 V
Rated surge voltage	12 kV	12 kV	12 kV
Rated current	76 A	76 A	76 A
Approvals per		UL 1059	
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	65 A	65 A	-



Approvals per		CSA	
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	65 A	65 A	-

Connection data			
Connection points	1	Connection 1	
Total number of potentials	1	Connection technology	CAGE CLAMP®
Number of connection types	1	Actuation type	Operating tool
Number of levels	1	Solid conductor	0.2 ... 16 mm² / 24 ... 6 AWG
Number of jumper slots	1	Fine-stranded conductor	0.2 ... 16 mm² / 24 ... 6 AWG
		Fine-stranded conductor; with insulated ferrule	0.25 ... 10 mm²
		Fine-stranded conductor; with uninsulated ferrule	0.25 ... 10 mm²
		Strip length	12 ... 13 mm / 0.47 ... 0.51 inches
		Conductor connection direction to PCB	45 °
		Pole number	1

Physical data	
Pin spacing	20 mm / 0.787 inches
Width	21.5 mm / 0.846 inches
Height	33.5 mm / 1.319 inches
Height from the surface	27 mm / 1.063 inches
Depth	33.4 mm / 1.315 inches
Solder pin length	5 mm
Solder pin dimensions	1.2 x 1.6 mm
Drilled hole diameter with tolerance	2.2 ^(+0.1) mm

PCB contact	
PCB contact	THT
Solder pin arrangement	over the entire terminal strip (in-line)
Number of solder pins per potential	4

Material data	
Note (material data)	Information on material specifications can be found here
Color	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 MJ
Weight	12.6 g



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

Commercial data	
ETIM 8.0	EC002643
ETIM 7.0	EC002643
PU (SPU)	50 (50) pcs
Packaging type	Box
Country of origin	PL
GTIN	4055143273138
Customs tariff number	85369010000

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

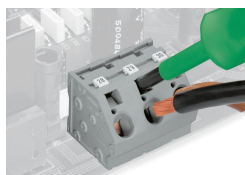
Approvals / Certificates		
General approvals		
		
Approval	Standard	Certificate Name
CSA DEKRA Certification B.V.	C22.2 No. 158	1604421
UR Underwriters Laboratories Inc.	UL 1059	E45172

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 745-881/007-000	

Documentation			
Additional Information			
Technical Section	03.04.2019	pdf 2010.85 KB	

Installation Notes

Conductor termination



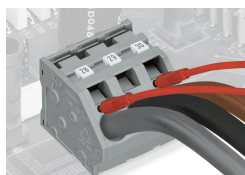
Inserting/removing a conductor via 5.5 mm screwdriver – 745 Series, 16 mm².

Marking



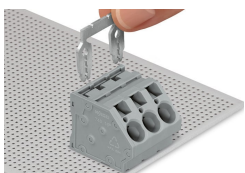
Marking via Mini-WSB and WMB markers or factory direct marking – 745 Series.

Testing

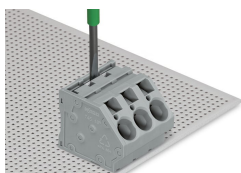


Testing with test plug – 745 Series.

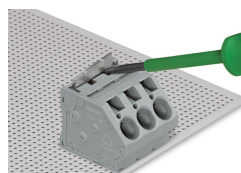
Commoning



Inserting a comb-style jumper bar.



To insert a comb-style jumper bar, push it down using a screwdriver until it hits the backstop – 745 Series.



To remove the jumper bar, lift it up using a screwdriver – 745 Series.