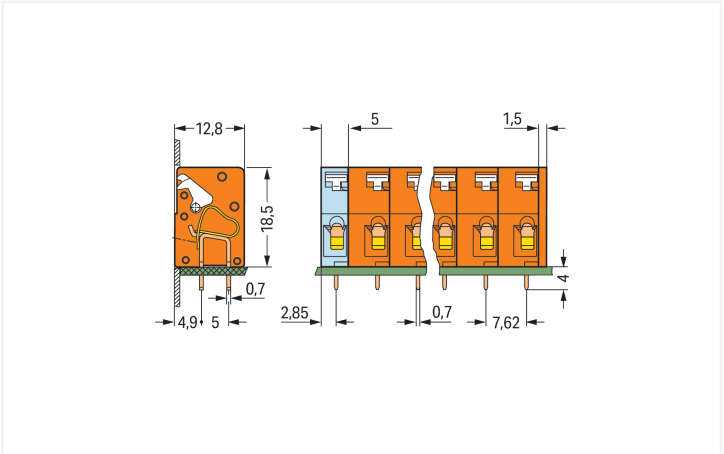
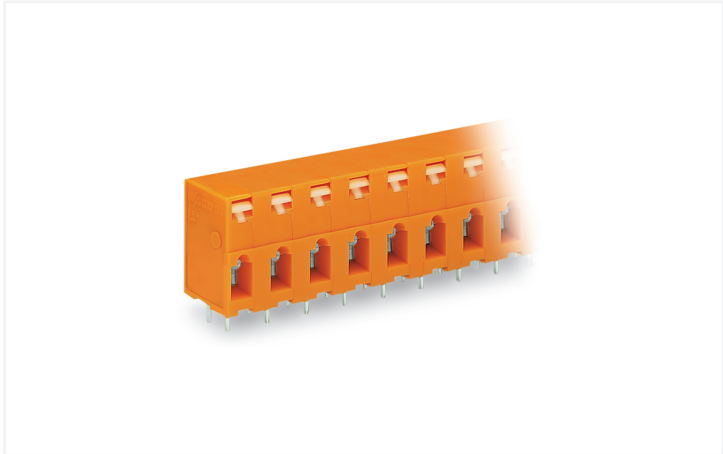


Data Sheet | Item Number: 741-407

PCB terminal block; push-button; 2.5 mm²; Pin spacing 7.62 mm; 7-pole; CAGE CLAMP®; orange

<https://www.wago.com/741-407>



Color: ■ orange

Similar to illustration

Dimensions in mm
Total length = (pole no. – 1) x pin spacing + 5 mm + 1.5 mm

Feedthrough terminal block, 741 Series, 0 °conductor entry to board

Enjoy seamless electrical installations with feedthrough terminal block (item number 741-407). Ensure that the strip lengths are between 5 and 6 mm when connecting conductors to feedthrough terminal block. This product features one conductor terminal and utilizes CAGE CLAMP®. Our trusted universal connection known as CAGE CLAMP® leads the way when it comes to connection technology and electrical interconnections. The item's dimensions are (52.22 x 22.5 x 12.8) mm (width x height x depth). Depending on the conductor type, feedthrough terminal block is ideal for conductor cross sections ranging from 0.08 mm² to 2.5 mm².

Tin is used for coating the contact surfaces. The feedthrough terminal block is designed for THT soldering.

Notes	
Variants:	Other pole numbers Other colors Direct marking 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		400 V	630 V	1000 V
Rated impulse withstand voltage		6 kV	6 kV	6 kV
Rated current		16 A	16 A	16 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	16 A	-	10 A

Connection Data			
Clamping units	7	Connection 1	
Total number of potentials	7	Connection technology	CAGE CLAMP®
Number of connection types	1	Actuation type	Push-button
Number of levels	1	Solid conductor	0.08 ... 2.5 mm² / 28 ... 12 AWG
		Fine-stranded conductor	0.08 ... 2.5 mm² / 28 ... 12 AWG
		Fine-stranded conductor; with insulated fer- rule	0.25 ... 1.5 mm²
		Fine-stranded conductor; with uninsulated ferrule	0.25 ... 1.5 mm²
		Strip length	5 ... 6 mm / 0.2 ... 0.24 inches
		Conductor connection direction to PCB	0 °
		Pole number	7

Physical data	
Pin spacing	7.62 mm / 0.3 inches
Width	52.22 mm / 2.056 inches
Height	22.5 mm / 0.886 inches
Height from the surface	18.5 mm / 0.728 inches
Depth	12.8 mm / 0.504 inches
Solder pin length	4 mm
Solder pin dimensions	0.7 x 0.7 mm
Drilled hole diameter	1.1 ^(+0.1) mm

PCB contact	
PCB contact	THT
Solder pin arrangement	over the entire terminal strip (in-line)
Number of solder pins per potential	2

Material data	
Note (material data)	Information on material specifications can be found here
Color	orange
Material group	I
Insulation material (main housing)	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	0.196 MJ
Weight	11.3 g



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

Commercial data	
Product Group	4 (Printed Circuit Connectors)
PU (SPU)	80 (20) pcs
Packaging type	Box
Country of origin	CH
GTIN	4044918680332
Customs tariff number	85369010000

Product Classification	
UNSPSC	39121409
eCl@ss 10.0	27-44-04-01
eCl@ss 9.0	27-44-04-01
ETIM 9.0	EC002643
ETIM 10.0	EC002643
ECCN	NO US CLASSIFICATION

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 60947	2160584.21	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
CCA DEKRA Certification B.V.	EN 60947	NTR NL-7104	UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-
CCA DEKRA Certification B.V.	EN 60998	2166926.01			
CCA DEKRA Certification B.V.	EN 60998	NTR NL-7187			
CSA DEKRA Certification B.V.	C22.2 No. 158	1711139			
UR Underwriters Laboratories Inc.	UL 1059	E45172			

Approvals for marine applications			Approvals for marine applications		
   					
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
ABS American Bureau of Shipping	-	24-0095975-PDA	PRS Polski Rejestr Statków	-	TE/1095/880590/23
BV Bureau Veritas S.A.	IEC 60998	11915/E0 BV			
DNV DNV GL SE	-	TAE000016Z			



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 741-407

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Documentation

Additional Information

Technical Section

03.04.2019

pdf

2027.26 KB

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CAD/CAE-Data

CAD data

2D/3D Models 741-407

↓

CAE data

EPLAN Data Portal 741-407

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ZUKEN Portal 741-407

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PCB Design

Symbol and Footprint via SamacSys 741-407

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Symbol and Footprint via Ultra Librarian 741-407

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1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule

 Item No.: 216-321 Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow	 Item No.: 216-151 Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated; silver-colored	 Item No.: 216-322 Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise	 Item No.: 216-152 Ferrule; Sleeve for 0.34 mm² / 22 AWG; uninsulated; electro-tin plated; silver-colored
 Item No.: 216-221 Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white	 Item No.: 216-121 Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-colored	 Item No.: 216-222 Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray	 Item No.: 216-122 Ferrule; Sleeve for 0.75 mm² / 18 AWG; uninsulated; electro-tin plated; silver-colored
 Item No.: 216-223 Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red	 Item No.: 216-123 Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated; silver-colored	 Item No.: 216-224 Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black	 Item No.: 216-124 Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated



1.1.2 Marking

1.1.2.1 Marking strip



Item No.: 210-332/762-020
Marking strips; as a DIN A4 sheet; MARKED;
1-20 (80x); Height of marker strip: 3 mm;
Strip length 182 mm; Horizontal marking;
Self-adhesive; white

1.1.3 Tool

1.1.3.1 Operating tool



Item No.: 210-720
Operating tool; Blade: 3.5 x 0.5 mm; with a
partially insulated shaft; multicoloured



Item No.: 210-657
Operating tool; Blade: 3.5 x 0.5 mm; with a
partially insulated shaft; short; multicoloured