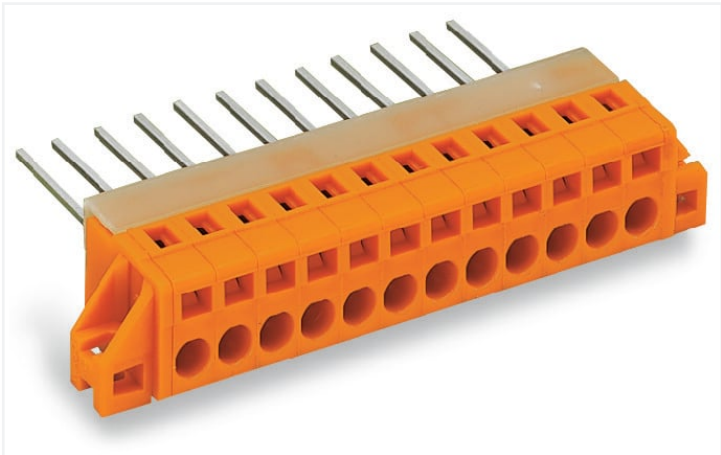


Data Sheet | Item Number: 731-167/048-000

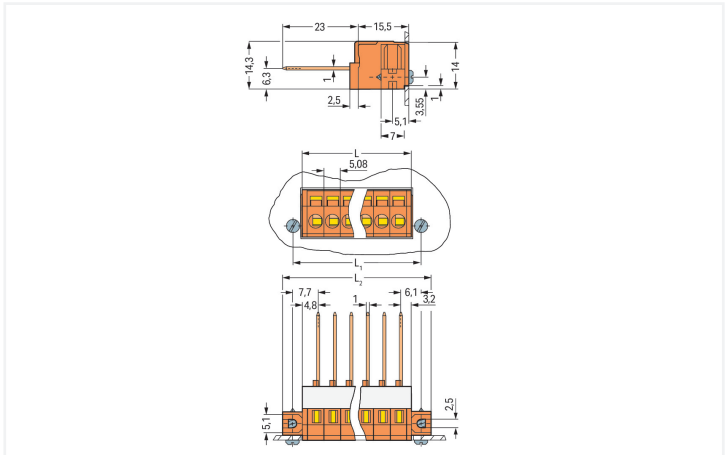
Feedthrough terminal block; Conductor/wire-wrap connection; Plate thickness: 1.5 mm; 2.5 mm<sup>2</sup>; Pin spacing 5.08 mm; 7-pole; CAGE CLAMP®; 2,50 mm<sup>2</sup>; orange

<https://www.wago.com/731-167/048-000>



Color: ■ orange

Similar to illustration



Dimensions in mm  
L = (pole no. x pin spacing) + 3 mm  
L1 = L + 5.8 mm  
L2 = L1 + 6.4 mm  
for plate thickness up to 1.5 mm

- Feedthrough PCB terminal strips with screwdriver-actuated CAGE CLAMP®
- With flanges for PCB or front-panel mounting – either flush with enclosure or protruding

Notes	
Variants:	Direct marking Versions without mounting flanges Other versions (or variants) can be requested from WAGO Sales or configured at <a href="https://configurator.wago.com/">https://configurator.wago.com/</a> . 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	5 A	5 A	5 A
Approvals per		UL 1059	
Use group	B	C	D
Rated voltage	300 V	150 V	300 V
Rated current	5 A	5 A	5 A

Approvals per		CSA	
Use group	B	C	D
Rated voltage	300 V	-	-
Rated current	5 A	-	-



Connection data																		
Connection points	7	<div>Connection 1</div> <table><tr><td>Connection technology</td><td>CAGE CLAMP®</td></tr><tr><td>Actuation type</td><td>Operating tool</td></tr><tr><td>Solid conductor</td><td>0.08 ... 2.5 mm² / 28 ... 14 AWG</td></tr><tr><td>Fine-stranded conductor</td><td>0.08 ... 2.5 mm² / 28 ... 14 AWG</td></tr><tr><td>Fine-stranded conductor; with insulated ferrule</td><td>0.25 ... 1.5 mm²</td></tr><tr><td>Fine-stranded conductor; with uninsulated ferrule</td><td>0.25 ... 2.5 mm²</td></tr><tr><td>Strip length</td><td>8 ... 9 mm / 0.31 ... 0.35 inches</td></tr><tr><td>Pole number</td><td>7</td></tr></table>	Connection technology	CAGE CLAMP®	Actuation type	Operating tool	Solid conductor	0.08 ... 2.5 mm² / 28 ... 14 AWG	Fine-stranded conductor	0.08 ... 2.5 mm² / 28 ... 14 AWG	Fine-stranded conductor; with insulated ferrule	0.25 ... 1.5 mm²	Fine-stranded conductor; with uninsulated ferrule	0.25 ... 2.5 mm²	Strip length	8 ... 9 mm / 0.31 ... 0.35 inches	Pole number	7
Connection technology	CAGE CLAMP®																	
Actuation type	Operating tool																	
Solid conductor	0.08 ... 2.5 mm² / 28 ... 14 AWG																	
Fine-stranded conductor	0.08 ... 2.5 mm² / 28 ... 14 AWG																	
Fine-stranded conductor; with insulated ferrule	0.25 ... 1.5 mm²																	
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 2.5 mm²																	
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches																	
Pole number	7																	
Total number of potentials	7																	
Number of connection types	1																	
Number of levels	1																	

Connection 2	
Connection technology 2	Wire-wrap pin

Physical data		
Pin spacing		5.08 mm / 0.2 inches
Width		50.76 mm / 1.998 inches
Height		14.3 mm / 0.563 inches
Depth		15.5 mm / 0.61 inches

Mechanical data	
Housing sheet thickness	1.5 ... 1.5 mm / 0.059 ... 0.059 inches
Mounting type	Mounting flange Feed-through mounting Panel mounting



Material data	
Note (material data)	<a href="#">Information on material specifications can be found here</a>
Color	orange
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 <sub>Cu</sub> )
Contact plating	Tin
Fire load	0.185 MJ
Weight	11.4 g


Environmental requirements	
Limit temperature range	-60 ... +105 °C
Processing temperature	-35 ... +60 °C




Commercial data		
Product Group	3 (Multi Conn. System)	
eCl@ss 10.0	27-14-11-06	
eCl@ss 9.0	27-14-11-06	
ETIM 8.0	EC001284	
ETIM 7.0	EC001284	
PU (SPU)	25 pcs	
Packaging type	Box	
Country of origin	DE	
GTIN	4044918270113	
Customs tariff number	85369010000	

Environmental Product Compliance		
RoHS Compliance Status	Compliant, No Exemption	

Approvals / Certificates					
General approvals			Approvals for marine applications		
					
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	IEC 61984	NL-39756/A1	ABS American Bureau of Ship- ping	-	19-HG1869876-PDA
KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-121453	BV Bureau Veritas S.A.	IEC 60998	11915/D0 BV
UR Underwriters Laboratories Inc.	UL 1059	E45172			

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 731-167/048-000	

Documentation			
Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	





























CAD/CAE-Data	
<div>CAD data</div> <div>2D/3D Models 731-167/048-000</div> <div>↓</div>	<div>CAE data</div> <div>EPLAN Data Portal 731-167/048-000</div> <div>↓</div> <div>ZUKEN Portal 731-167/048-000</div> <div>↓</div>

1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule

 <div>Item No.: 216-301 Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow</div>	 <div>Item No.: 216-321 Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow</div>	 <div>Item No.: 216-151 Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated</div>	 <div>Item No.: 216-131 Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated; silver-colored</div>
 <div>Item No.: 216-302 Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise</div>	 <div>Item No.: 216-322 Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise</div>	 <div>Item No.: 216-132 Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated</div>	 <div>Item No.: 216-152 Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated</div>
 <div>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</div>	 <div>Item No.: 216-201 Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white</div>	 <div>Item No.: 216-221 Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white</div>	 <div>Item No.: 216-141 Ferrule; Sleeve for 0.5 mm² / 20 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92</div>
 <div>Item No.: 216-101 Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-colored</div>	 <div>Item No.: 216-121 Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-colored</div>	 <div>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</div>	 <div>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</div>
 <div>Item No.: 216-202 Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray</div>	 <div>Item No.: 216-222 Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray</div>	 <div>Item No.: 216-142 Ferrule; Sleeve for 0.75 mm² / 18 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92</div>	 <div>Item No.: 216-102 Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-colored</div>
 <div>Item No.: 216-122 Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-colored</div>	 <div>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</div>	 <div>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</div>	 <div>Item No.: 216-203 Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red</div>
 <div>Item No.: 216-223 Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red</div>	 <div>Item No.: 216-103 Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated</div>	 <div>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</div>	 <div>Item No.: 216-123 Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated; silver-colored</div>



1.1.1.1 Ferrule



**Item No.: 216-204**  
Ferrule; Sleeve for 1.5 mm² / AWG 16; in-  
sulated; electro-tin plated; black



**Item No.: 216-224**  
Ferrule; Sleeve for 1.5 mm² / AWG 16; in-  
sulated; electro-tin plated; black



**Item No.: 216-244**  
Ferrule; Sleeve for 1.5 mm² / AWG 16; in-  
sulated; electro-tin plated; electrolytic  
copper; gastight crimped; acc. to DIN  
46228, Part 4/09.90; black



**Item No.: 216-264**  
Ferrule; Sleeve for 1.5 mm² / AWG 16; in-  
sulated; electro-tin plated; electrolytic  
copper; gastight crimped; acc. to DIN  
46228, Part 4/09.90; black



**Item No.: 216-284**  
Ferrule; Sleeve for 1.5 mm² / AWG 16; in-  
sulated; electro-tin plated; electrolytic  
copper; gastight crimped; acc. to DIN  
46228, Part 4/09.90; black



**Item No.: 216-124**  
Ferrule; Sleeve for 1.5 mm² / AWG 16; un-  
insulated; electro-tin plated



**Item No.: 216-144**  
Ferrule; Sleeve for 1.5 mm² / AWG 16; un-  
insulated; electro-tin plated; electrolytic  
copper; gastight crimped; acc. to DIN  
46228, Part 1/08.92; silver-colored



**Item No.: 216-104**  
Ferrule; Sleeve for 1.5 mm² / AWG 16; un-  
insulated; electro-tin plated; silver colo-  
red



**Item No.: 216-106**  
Ferrule; Sleeve for 2.5 mm² / AWG 14; un-  
insulated; electro-tin plated; silver-colored

1.1.2 Installation

1.1.2.1 Mounting accessories



**Item No.: 231-295**  
Screw with nut



**Item No.: 231-195**  
Screw with nut; M2x12; for fixing element



**Item No.: 209-147**  
Self-tapping screw



**Item No.: 231-194**  
Self-tapping screw; B 2.2x13, fixing hole  
1.8 mm Ø

1.1.3 Marking

1.1.3.1 Marking strip



**Item No.: 210-332/508-202**  
Marking strips; as a DIN A4 sheet; MAR-  
KED; 1-16 (160x); Height of marker strip: 3  
mm; Strip length 182 mm; Horizontal mar-  
king; Self-adhesive; white



**Item No.: 210-332/508-205**  
Marking strips; as a DIN A4 sheet; MAR-  
KED; 1-32 (80x); Height of marker strip: 3  
mm; Strip length 182 mm; Horizontal mar-  
king; Self-adhesive; white



**Item No.: 210-332/508-204**  
Marking strips; as a DIN A4 sheet; MAR-  
KED; 17-32 (160x); Height of marker strip:  
3 mm; Strip length 182 mm; Horizontal  
marking; Self-adhesive; white



**Item No.: 210-332/508-206**  
Marking strips; as a DIN A4 sheet; MAR-  
KED; 33-48 (160x); Height of marker strip:  
3 mm; Strip length 182 mm; Horizontal  
marking; Self-adhesive; white

1.1.4 Tool

1.1.4.1 Operating tool



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

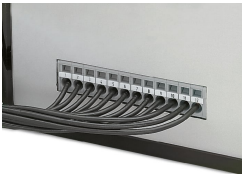


**Item No.: 210-657**  
Operating tool; Blade: 3.5 x 0.5 mm; with a  
partially insulated shaft; short; multicolou-  
red

Installation Notes



Feedthrough PCB terminal strips – front-entry conductor termination



Feedthrough PCB terminal strips can be used as front-panel feedthrough for external conductor termination.



With flanges for PCB or front-panel mounting – either flush with enclosure or protruding