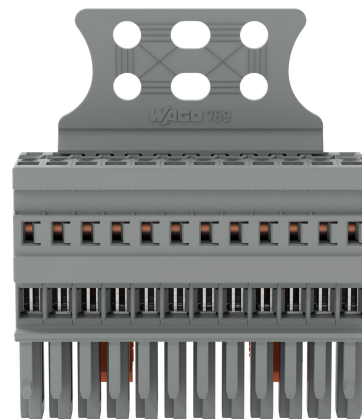
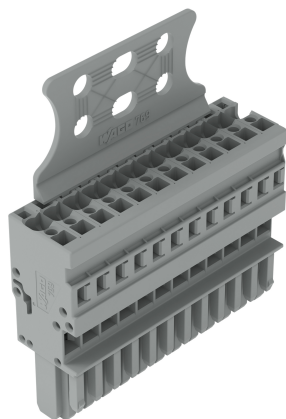


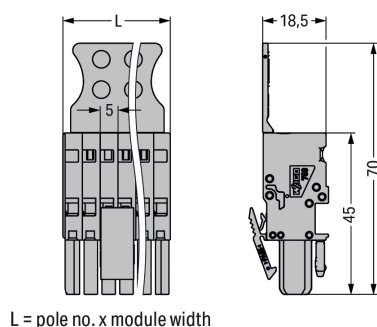
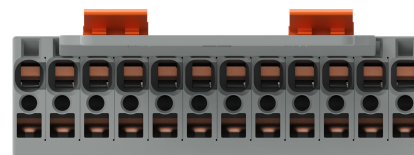
Data Sheet | Item Number: 769-112/145-000

1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 12-pole;
coding finger; Centered locking levers; Strain relief plate; 4,00 mm²; gray

<https://www.wago.com/769-112/145-000>



Color: ■ gray



L = pole no. x module width

Female connector, 769 Series, operating tool

This female connector (item number 769-112/145-000) is designed for hassle-free electrical installations. Ensure that the strip lengths are between 8 and 9 mm when connecting conductors to this female connector. Pluggable rail-mount terminal blocks are mainly used in switchgear units and control systems (e.g., in railroad technology). They are essentially a combination of rail-mount terminal blocks and pluggable connectors. You can also pre-assemble installations thanks to the variable wiring system. This saves both time and money during manufacture, installation, operation, and maintenance. This product features conductor terminals and utilizes CAGE CLAMP®. Our CAGE CLAMP® connection offers a convenient and maintenance-free way to

connect all types of conductors. You do not need to prepare the conductor in any way, such as crimping ferrules. The dimensions are (60 x 70 x 18.5) mm (width x height x depth). This female connector is suitable for conductor cross sections ranging from 0.08 mm² to 4 mm².

This female connector/socket is operated with an operating tool. The strain relief plate is a safety precaution for connected conductors that also makes wires much easier to handle..

Notes	
Safety Information	According to EN 61984, pluggable connectors without current interrupting capacity must not be mated or unmated when live or under load.

Electrical data			
Ratings per IEC/EN		General information	
Ratings per	IEC/EN 61984	Wiring direction	Front-entry wiring
Nominal voltage (III/3)	500 V		
Rated impulse withstand voltage (III / 3)	6 kV		
Rated current	32 A		
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3		

Connection Data			
Clamping units	12	Connection 1	
Total number of potentials	12	Connection technology	CAGE CLAMP®
		Actuation type	Operating tool
		Connectable conductor materials	Copper
		Nominal cross-section	4 mm² / 12 AWG
		Solid conductor	0.08 ... 4 mm² / 28 ... 12 AWG
		Fine-stranded conductor	0.08 ... 4 mm² / 28 ... 12 AWG
		Strip length	8 ... 9 mm / 0.31 ... 0.35 inches
		Pole number	12
		Wiring direction	Front-entry wiring

Physical data	
Width	60 mm / 2.362 inches
Height	70 mm / 2.756 inches
Height from the surface	55 mm / 2.164 inches
Depth	18.5 mm / 0.728 inches
Module width	5 mm / 0.197 inches

Mechanical data	
Variable coding	Yes
Direct ground contact to DIN-rail/drilled hole/housing	No
Marking level	Side marking
Anti-rotation protection	Yes



Plug-in connection	
Contact type (pluggable connector)	Female connector/socket
Connector (connection type)	for conductor
Mismating protection	No
Locking lever	Yes
Strain relief	Strain relief plate

Material data	
Note (material data)	Information on material specifications can be found here
Color	gray
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.705 MJ
Halogen-free	Yes
Weight	40.5 g

Environmental requirements	
Processing temperature	-35 ... +85 °C
Continuous operating temperature	-60 ... +105 °C

Commercial data	
PU (SPU)	10 pcs
Packaging type	Box
Country of origin	DE
GTIN	4066966467765
Customs tariff number	85366990990

Product Classification	
UNSPSC	39121409
ETIM 9.0	EC001284
ETIM 10.0	EC001284
ECCN	NO US CLASSIFICATION

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
CSA CSA Group	C22.2	1101144

Declarations of conformity and manufacturer's declarations



Approval	Standard	Certificate Name
Railway WAGO GmbH & Co. KG	-	Z00004428.000



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance
769-112/145-000

↓

CAD/CAE-Data

CAD data

2D/3D Models
769-112/145-000

↓

1 Compatible Products

1.1 System counterpart

1.1.1 Carrier terminal block for fuses and electronic modules



Item No.: 769-181
1-conductor/1-pin carrier terminal block; with 2 jumper positions; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; CAGE CLAMP®; 4,00 mm²; gray



Item No.: 769-161
2-pin carrier terminal block; with 2 jumper positions; for DIN-rail 35 x 15 and 35 x 7.5; gray

1.1.2 Component terminal block with diode



Item No.: 769-218/281-410
1-conductor/1-pin component carrier terminal block; with 2 jumper positions; with diode 1N4007; anode, left side; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; CAGE CLAMP®; gray



Item No.: 769-218/281-411
1-conductor/1-pin component carrier terminal block; with 2 jumper positions; with diode 1N4007; anode, right side; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; CAGE CLAMP®; gray



Item No.: 769-238/281-410
1-conductor/1-pin component carrier terminal block; with diode 1N4007; anode, left side; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; CAGE CLAMP®; gray



Item No.: 769-238/281-411
1-conductor/1-pin component carrier terminal block; with diode 1N4007; anode, right side; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; CAGE CLAMP®; gray



Item No.: 769-228/281-410
2-pin component carrier block; with diode 1N4007; anode, left side; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; gray



Item No.: 769-228/281-411
2-pin component carrier block; with diode 1N4007; anode, right side; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; gray

1.1.3 Component terminal block with LED



Item No.: 769-239/281-413
1-conductor/1-pin component carrier terminal block; LED (red); 24 VDC; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; CAGE CLAMP®; gray



Item No.: 769-239/281-434
1-conductor/1-pin component carrier terminal block; LED (red); 24 VDC; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; CAGE CLAMP®; gray



Item No.: 769-219/281-413
1-conductor/1-pin component carrier terminal block; with 2 jumper positions; LED (red); 24 VDC; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; CAGE CLAMP®; gray



Item No.: 769-219/281-434
1-conductor/1-pin component carrier terminal block; with 2 jumper positions; LED (red); 24 VDC; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; CAGE CLAMP®; gray



Item No.: 769-229/281-413
2-pin component carrier block; LED (red); 24 VDC; for DIN-rail 35 x 15 and 35 x 7.5; gray



Item No.: 769-229/281-434
2-pin component carrier block; LED (red); 24 VDC; for DIN-rail 35 x 15 and 35 x 7.5; gray



Item No.: 769-209/281-413
2-pin component carrier block; with 2 jumper positions; LED (red); 24 VDC; for DIN-rail 35 x 15 and 35 x 7.5; gray



Item No.: 769-209/281-434
2-pin component carrier block; with 2 jumper positions; LED (red); 24 VDC; for DIN-rail 35 x 15 and 35 x 7.5; gray

1.1.4 Disconnect terminal block



Item No.: 769-232

1-conductor/1-pin disconnect carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; CAGE CLAMP®; 4,00 mm²; gray



Item No.: 769-212

1-conductor/1-pin disconnect carrier terminal block; with 2 jumper positions; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; CAGE CLAMP®; 4,00 mm²; gray



Item No.: 769-233

1-conductor/1-pin disconnect carrier terminal block; with shield contact; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; CAGE CLAMP®; 4,00 mm²; gray



Item No.: 769-213

1-conductor/1-pin disconnect carrier terminal block; with shield contact; with 2 jumper positions; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; CAGE CLAMP®; 4,00 mm²; gray



Item No.: 769-222

2-pin disconnect carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; gray



Item No.: 769-202

2-pin disconnect carrier terminal block; with 2 jumper positions; for DIN-rail 35 x 15 and 35 x 7.5; gray



Item No.: 769-223

2-pin disconnect carrier terminal block; with shield contact; for DIN-rail 35 x 15 and 35 x 7.5; gray



Item No.: 769-203

2-pin disconnect carrier terminal block; with shield contact; with 2 jumper positions; for DIN-rail 35 x 15 and 35 x 7.5; gray

1.1.5 Double-deck terminal block



Item No.: 870-127

1-conductor/1-pin double deck receptacle terminal block; Ground conductor/through terminal block; 2.5 mm²; PE/L; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 2,50 mm²; gray



Item No.: 870-117

1-conductor/1-pin double deck receptacle terminal block; Ground conductor/through terminal block; 2.5 mm²; PE/N; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 2,50 mm²; gray



Item No.: 870-101

1-conductor/1-pin double deck receptacle terminal block; Through/through terminal block; 2.5 mm²; L/L; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 2,50 mm²; gray



Item No.: 870-103

1-conductor/1-pin double deck receptacle terminal block; Through/through terminal block; 2.5 mm²; L/N; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 2,50 mm²; gray



Item No.: 870-102

1-conductor/1-pin double deck receptacle terminal block; Through/through terminal block; 2.5 mm²; N/L; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 2,50 mm²; gray



Item No.: 870-1131

2-conductor/2-pin double-deck carrier terminal; 2-conductor/1-pin through terminal block; 2.5 mm²; L/L; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 2,50 mm²; gray



Item No.: 870-108

2-conductor/2-pin, double-deck carrier terminal block; 2-conductor/2-pin through terminal block; 2.5 mm²; L; internal commoning; conductor entry with violet marking; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 2,50 mm²; gray



Item No.: 870-131

2-conductor/2-pin, double-deck carrier terminal block; Through/through terminal block; 2.5 mm²; L/L; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 2,50 mm²; gray



Item No.: 870-151

2-Pin/2-pin double deck receptacle terminal block; Through/through terminal block; L/L; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; gray



Item No.: 870-1138

4-conductor/2-pin double-deck carrier terminal block; 4-conductor/2-pin through terminal block; 2.5 mm²; L/L; internal commoning; conductor entry with violet marking; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 2,50 mm²; gray



Item No.: 870-138

4-conductor/4-pin, double-deck carrier terminal block; 4-conductor/4-pin through terminal block; 2.5 mm²; L; internal commoning; conductor entry with violet marking; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 2,50 mm²; gray



Item No.: 870-158

4-pin, double-deck carrier terminal block; 4-pin through terminal block; L; internal commoning; female plug conductor entry with violet marking; for DIN-rail 35 x 15 and 35 x 7.5; gray

1.1.6 Ground terminal block



Item No.: 870-127

1-conductor/1-pin double deck receptacle terminal block; Ground conductor/through terminal block; 2.5 mm²; PE/L; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 2,50 mm²; gray



Item No.: 870-117

1-conductor/1-pin double deck receptacle terminal block; Ground conductor/through terminal block; 2.5 mm²; PE/N; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 2,50 mm²; gray

1.1.7 Shield termination



Item No.: 769-231

1-conductor/1-pin carrier terminal block; with shield contact; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; CAGE CLAMP®; 4,00 mm²; gray



Item No.: 769-233

1-conductor/1-pin disconnect carrier terminal block; with shield contact; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; CAGE CLAMP®; 4,00 mm²; gray



Item No.: 769-213

1-conductor/1-pin disconnect carrier terminal block; with shield contact; with 2 jumper positions; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; CAGE CLAMP®; 4,00 mm²; gray



Item No.: 769-211

2-conductor/2-pin carrier terminal block; with shield contact; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; CAGE CLAMP®; 4,00 mm²; gray



1.1.7 Shield termination

			
Item No.: 769-221 2-pin carrier terminal block; with shield contact; for DIN-rail 35 x 15 and 35 x 7.5; gray	Item No.: 769-223 2-pin disconnect carrier terminal block; with shield contact; for DIN-rail 35 x 15 and 35 x 7.5; gray	Item No.: 769-203 2-pin disconnect carrier terminal block; with shield contact; with 2 jumper positions; for DIN-rail 35 x 15 and 35 x 7.5; gray	Item No.: 769-201 4-pin carrier terminal block; with shield contact; for DIN-rail 35 x 15 and 35 x 7.5; gray

1.1.8 Through terminal block

			
Item No.: 769-176 1-conductor/1-pin carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm ² ; CAGE CLAMP®; 4,00 mm ² ; gray	Item No.: 769-231 1-conductor/1-pin carrier terminal block; with shield contact; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm ² ; CAGE CLAMP®; 4,00 mm ² ; gray	Item No.: 769-214 1-conductor/1-pin disconnect carrier terminal block; with 3 jumper positions; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm ² ; 4,00 mm ² ; gray	Item No.: 870-127 1-conductor/1-pin double deck receptacle terminal block; Ground conductor/through terminal block; 2.5 mm ² ; PE/L; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 2,50 mm ² ; gray
			
Item No.: 870-117 1-conductor/1-pin double deck receptacle terminal block; Ground conductor/through terminal block; 2.5 mm ² ; PE/N; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 2,50 mm ² ; gray	Item No.: 870-101 1-conductor/1-pin double deck receptacle terminal block; Through/through terminal block; 2.5 mm ² ; L/L; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 2,50 mm ² ; gray	Item No.: 870-103 1-conductor/1-pin double deck receptacle terminal block; Through/through terminal block; 2.5 mm ² ; L/N; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 2,50 mm ² ; gray	Item No.: 870-102 1-conductor/1-pin double deck receptacle terminal block; Through/through terminal block; 2.5 mm ² ; N/L; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 2,50 mm ² ; gray
			
Item No.: 769-251 2-conductor/1-pin carrier terminal block; 4 mm ² ; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 4,00 mm ² ; gray	Item No.: 769-171 2-conductor/2-pin carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm ² ; CAGE CLAMP®; 4,00 mm ² ; gray	Item No.: 769-211 2-conductor/2-pin carrier terminal block; with shield contact; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm ² ; CAGE CLAMP®; 4,00 mm ² ; gray	Item No.: 870-1131 2-conductor/2-pin double-deck carrier terminal; 2-conductor/1-pin through terminal block; 2.5 mm ² ; L/L; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 2,50 mm ² ; gray
			
Item No.: 870-108 2-conductor/2-pin, double-deck carrier terminal block; 2-conductor/2-pin through terminal block; 2.5 mm ² ; L; internal commoning; conductor entry with violet marking; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 2,50 mm ² ; gray	Item No.: 870-131 2-conductor/2-pin, double-deck carrier terminal block; Through/through terminal block; 2.5 mm ² ; L/L; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 2,50 mm ² ; gray	Item No.: 769-156 2-pin carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; gray	Item No.: 769-221 2-pin carrier terminal block; with shield contact; for DIN-rail 35 x 15 and 35 x 7.5; gray
			
Item No.: 870-151 2-Pin/2-pin double deck receptacle terminal block; Through/through terminal block; L/L; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; gray	Item No.: 870-1138 4-conductor/2-pin double-deck carrier terminal block; 4-conductor/2-pin through terminal block; 2.5 mm ² ; L/L; internal commoning; conductor entry with violet marking; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 2,50 mm ² ; gray	Item No.: 870-138 4-conductor/4-pin, double-deck carrier terminal block; 4-conductor/4-pin through terminal block; 2.5 mm ² ; L; internal commoning; conductor entry with violet marking; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 2,50 mm ² ; gray	Item No.: 769-151 4-pin carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; gray
			
Item No.: 769-201 4-pin carrier terminal block; with shield contact; for DIN-rail 35 x 15 and 35 x 7.5; gray	Item No.: 870-158 4-pin, double-deck carrier terminal block; 4-pin through terminal block; L; internal commoning; female plug conductor entry with violet marking; for DIN-rail 35 x 15 and 35 x 7.5; gray		



1.2 Optional Accessories

1.2.1 Cover

1.2.1.1 Cover



Item No.: 769-436
Jumper cover; for 1-conductor female plugs; for 5 poles; gray

1.2.2 Ferrule

1.2.2.1 Ferrule



Item No.: 216-301
Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow



Item No.: 216-302
Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise



Item No.: 216-201
Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; acc. to DIN 46228, Part 4/09.90; white



Item No.: 216-101
Ferrule; Sleeve for 0.5 mm² / AWG 22; un-insulated; electro-tin plated; silver-colored



Item No.: 216-202
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray



Item No.: 216-102
Ferrule; Sleeve for 0.75 mm² / AWG 20; un-insulated; electro-tin plated; silver-colored



Item No.: 216-203
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red



Item No.: 216-103
Ferrule; Sleeve for 1 mm² / AWG 18; un-insulated; electro-tin plated



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



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



Item No.: 216-206
Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; blue

1.2.3 Insulation stop

1.2.3.1 Insulation stop



Item No.: 769-470
Insulation stop; 0.08 - 0.2 mm² "s" (0.14 mm² "f-st"); 5 pieces/strip; white



Item No.: 769-471
Insulation stop; 0.25 - 0.5 mm²; 5 pieces/strip; light gray



Item No.: 769-472
Insulation stop; 0.75 - 1 mm²; 5 pieces/strip; dark gray

1.2.4 Jumper

1.2.4.1 Jumper



Item No.: 769-402
Jumper; insulated; gray



1.2.5 Locking system

1.2.5.1 Locking system



Item No.: 769-428
Locking lever; for female connectors; 1 part; Pin spacing 5 mm; 1-pole; gray



Item No.: 769-429
Locking lever; for female connectors; 1 part; Pin spacing 5 mm; 1-pole; orange

1.2.6 Marking

1.2.6.1 Label



Item No.: 210-805
Labels; for Smart Printer; permanent adhesive; 6 x 15 mm; 3000 pieces on roll; white



Item No.: 210-805/000-002
Labels; for Smart Printer; permanent adhesive; 6 x 15 mm; 3000 pieces on roll; yellow

1.2.6.2 Marker



Item No.: 2009-145
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white



Item No.: 248-501
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white

1.2.6.3 Marking strip



Item No.: 210-831
Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white



Item No.: 210-832
Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white



Item No.: 210-834
Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white

1.2.7 Protective warning marker

1.2.7.1 Cover



Item No.: 280-415
Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow

1.2.8 Strain relief

1.2.8.1 Strain relief



Item No.: 769-410
Strain relief plate; for female and male connectors; 1 part; Pin spacing 5 mm; 1-pole; gray



1.2.9 Test and measurement

1.2.9.1 Testing accessories



Item No.: 210-136
Test plug; 2 mm Ø; with 500 mm cable; red

1.2.10 Tool

1.2.10.1 Operating tool



Item No.: 210-490
Operating tool



Item No.: 769-434
Operating tool; made of insulating material; 1-way; loose; white