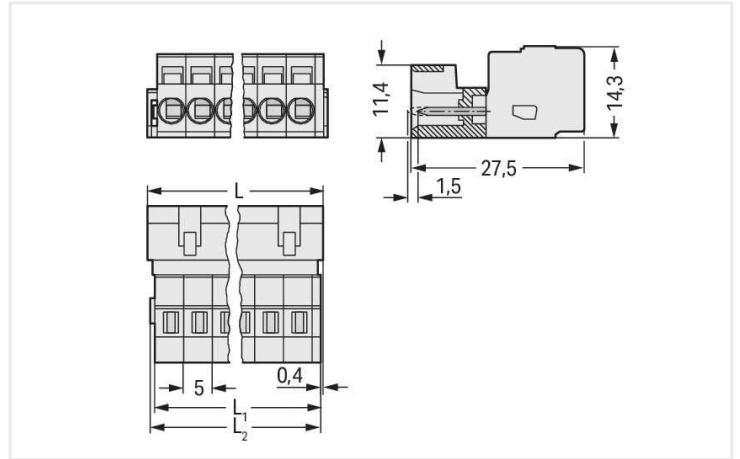
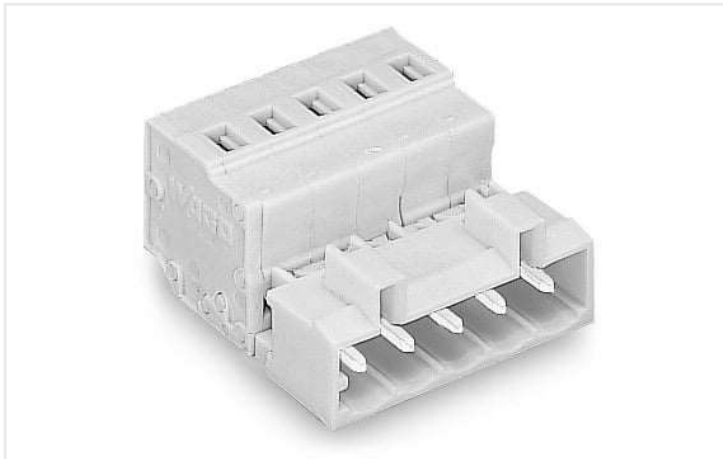


Data sheet | Item number: 721-603

1-conductor male connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 3-pole;
100% protected against mismatching; 2,50 mm²; light gray

<https://www.wago.com/721-603>

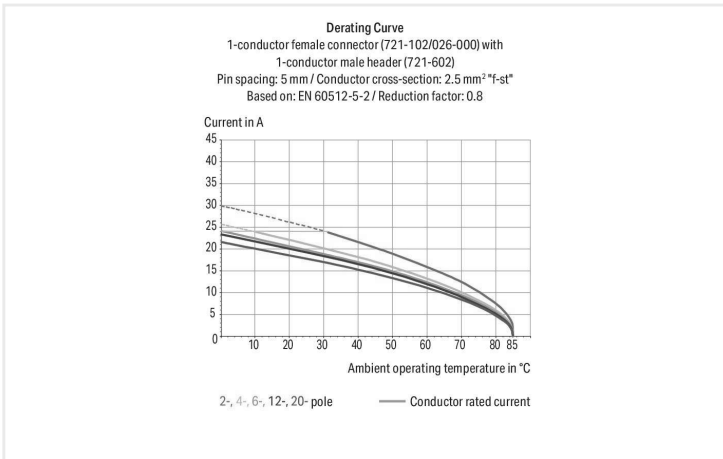


Dimensions in mm

$L = (\text{pole no.} - 1) \times \text{pin spacing} + 8.2 \text{ mm}$

$L2 = L - 1.7 \text{ mm}$

$L3 = L - 1.2 \text{ mm}$



勝特力電材超市-龍山店 886-3-5773766
勝特力電材超市-光復店 886-3-5729570
勝特力電子(上海) 86-21-34970699
勝特力電子(深圳) 86-755-83298787
<http://www.100y.com.tw>

- Universal connection for all conductor types
- Easy cable pre-assembly and on-unit wiring via vertical and horizontal CAGE CLAMP® actuation
- For wire-to-wire and board-to-wire connections
- Versions available with snap-in mounting feet or flanges for panel or through-panel mounting
- 3- to 5-pole male connectors are also available with preceding ground contact
- 100 % protected against mismatching
- With coding fingers

Notes

Safety information 1

The MCS – MULTI CONNECTION SYSTEM includes connectors without breaking capacity in accordance with DIN EN 61984. When used as intended, these connectors must not be connected/disconnected when live or under load. When used as intended, these connectors must not be connected/disconnected when live or under load. The circuit design should ensure header pins, which can be touched, are not live when unmated.

Variants:

Other pole numbers

Gold-plated or partially gold-plated contact surfaces

Other versions (or variants) can be requested from WAGO Sales or configured at <https://configurator.wago.com/>.

Electrical data

Ratings per IEC/EN

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	320 V
Rated impulse voltage (III/3)	4 kV
Rated voltage (III/2)	320 V
Rated impulse voltage (III/2)	4 kV
Nominal voltage (II/2)	630 V
Rated surge voltage (II/2)	4 kV
Rated current	12 A
Legend (ratings)	(III / 2) ≙ Overvoltage category III / Pollution degree 2

Ratings per UL

Approvals per	UL 1059
Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	15 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	10 A

Ratings per UL

Rated voltage (UL 1977)	600 V
Rated current UL 1977	15 A

Ratings per CSA

Approvals per	CSA
Rated voltage CSA (Use Group B)	300 V
Rated current CSA (Use Group B)	15 A
Rated voltage CSA (Use Group D)	300 V
Rated current CSA (Use Group D)	10 A

Connection data

Connection points	3
Total number of potentials	3
Number of connection types	1
Number of levels	1

Connection 1

Connection technology	CAGE CLAMP®
Actuation type	Operating tool
Solid conductor	0.08 ... 2.5 mm ² / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 2.5 mm ² / 28 ... 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 1.5 mm ²
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 2.5 mm ²
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches
Pole number	3
Conductor entry direction to mating direction	0°

Physical data

Pin spacing	5 mm / 0.197 inches
Width	18.2 mm / 0.717 inches
Height	14.3 mm / 0.563 inches
Depth	27.5 mm / 1.083 inches

Mechanical data

Variable coding	Yes
Direct ground contact to DIN-rail/drilled hole/housing	No
Anti-rotation protection	Yes

Plug-in connection

Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	for conductor
Mismating protection	Yes

Material data

Note (material data)	Information on material data can be found here
Color	light 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	0.094 MJ
Weight	4.9 g

Environmental requirements

Limit temperature range	-60 ... +100 °C
Processing temperature	-35 ... +60 °C

Commercial data

Product Group	3 (Multi Conn. System)
eCl@ss 10.0	27-44-03-09
eCl@ss 9.0	27-44-03-09
ETIM 8.0	EC002638
ETIM 7.0	EC002638
PU (SPU)	100 Stück
Packaging type	Box
Country of origin VKOrg Germany	DE
GTIN	4044918261890
Customs tariff number VKOrg Germany	85366990990

Approvals and certificates

General approvals



Approval	Standard	Certificate name
CB DEKRA Certification B.V.	IEC 61984	NL-39756/A1
CSA DEKRA Certification B.V.	C22.2	1466354
KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-121453
UL Underwriters Laboratories Inc.	UL 1977	E45171
UL Underwriters Laboratories Inc.	UL 1059	E45172

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate name
Railway WAGO GmbH & Co. KG	-	Railway Ready

Approvals for marine applications



Approval	Standard	Certificate name
ABS American Bureau of Ship- ping	-	19-HG1869876-PDA
DNV GL Det Norske Veritas, Ger- manischer Lloyd	-	TAE000016Z
LR Lloyds Register	IEC 61984	96/20035 (E5)

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product
Compliance 721-603



Documentation

Additional Information

Technical Section	03.04.2019	pdf 1949.09 KB	
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CAD/CAE-Data

CAD data

2D/3D Models 721-603



CAE data

EPLAN Data Portal
721-603



ZUKEN Portal 721-603



1 Compatible products

1.1 System counterpart

1.1.1 Female connector/socket



Item no.: 722-103/026-000

1-conductor female connector, angled; CAGE CLAMP®; 2,5 mm²; Pin spacing 5 mm; 3-pole; 100% protected against mismatching; 2,50 mm²; light gray

Item no.: 722-203/026-000

1-conductor female connector, angled; CAGE CLAMP®; 2,5 mm²; Pin spacing 5 mm; 3-pole; 100% protected against mismatching; 2,50 mm²; light gray

Item no.: 721-303/031-000

1-conductor female connector, angled; CAGE CLAMP®; 2,5 mm²; Pin spacing 5 mm; 3-pole; 100% protected against mismatching; clamping collar; 2,50 mm²; light gray

Item no.: 721-303/008-000

1-conductor female connector, angled; CAGE CLAMP®; 2,5 mm²; Pin spacing 5 mm; 3-pole; 100% protected against mismatching; Snap-in mounting feet; 2,50 mm²; light gray



Item no.: 721-103/026-000

1-conductor female connector; CAGE CLAMP®; 2,5 mm²; Pin spacing 5 mm; 3-pole; 100% protected against mismatching; 2,50 mm²; light gray

Item no.: 721-103/031-000

1-conductor female connector; CAGE CLAMP®; 2,5 mm²; Pin spacing 5 mm; 3-pole; 100% protected against mismatching; clamping collar; 2,50 mm²; light gray

Item no.: 721-103/037-000

1-conductor female connector; CAGE CLAMP®; 2,5 mm²; Pin spacing 5 mm; 3-pole; 100% protected against mismatching; Lateral locking levers; 2,50 mm²; light gray

Item no.: 721-103/008-000

1-conductor female connector; CAGE CLAMP®; 2,5 mm²; Pin spacing 5 mm; 3-pole; 100% protected against mismatching; Snap-in mounting feet; 2,50 mm²; light gray



Item no.: 721-103/008-045

1-conductor female connector; CAGE CLAMP®; 2,5 mm²; Pin spacing 5 mm; 3-pole; 100% protected against mismatching; Snap-in mounting feet; direct marking; 2,50 mm²; light gray

Item no.: 2721-103/026-000

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2,5 mm²; Pin spacing 5 mm; 3-pole; 100% protected against mismatching; 2,50 mm²; light gray

Item no.: 2721-103/031-000

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2,5 mm²; Pin spacing 5 mm; 3-pole; 100% protected against mismatching; clamping collar; 2,50 mm²; light gray

Item no.: 2721-103/037-000

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2,5 mm²; Pin spacing 5 mm; 3-pole; 100% protected against mismatching; Lateral locking levers; 2,50 mm²; light gray



Item no.: 2721-103/008-000

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2,5 mm²; Pin spacing 5 mm; 3-pole; 100% protected against mismatching; Snap-in mounting feet; 2,50 mm²; light gray

Item no.: 2721-103/026-000/133-000

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2,5 mm²; Pin spacing 5 mm; 3-pole; 100% protected against mismatching; Strain relief plate; 2,50 mm²; light gray

Item no.: 721-2103/037-000

2-conductor female connector; Push-in CAGE CLAMP®; 2,5 mm²; Pin spacing 5 mm; 3-pole; 100% protected against mismatching; Lateral locking levers; 2,50 mm²; light gray

Item no.: 721-2103/026-000

2-conductor female connector; Push-in CAGE CLAMP®; 2,5 mm²; Pin spacing 5 mm; 3-pole; 100% protected against mismatching; with integrated end plate; 2,50 mm²; light gray



Item no.: 722-233/005-000/039-000

Female connector for rail-mount terminal blocks; 0,6 x 1 mm pins; angled; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 3-pole; light gray

Item no.: 722-233/005-000

Female connector for rail-mount terminal blocks; 0,6 x 1 mm pins; angled; 100% protected against mismatching; Pin spacing 5 mm; 3-pole; light gray

Item no.: 722-133/005-000/039-000

Female connector for rail-mount terminal blocks; 0,6 x 1 mm pins; straight; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 3-pole; light gray

Item no.: 722-133/005-000

Female connector for rail-mount terminal blocks; 0,6 x 1 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 3-pole; light gray



Item no.: 722-233

THT female header; angled; Pin spacing 5 mm; 3-pole; 100% protected against mismatching; 0,6 x 1,0 mm solder pin; light gray

Item no.: 722-233/031-000

THT female header; angled; Pin spacing 5 mm; 3-pole; 100% protected against mismatching; clamping collar; 0,6 x 1,0 mm solder pin; light gray

Item no.: 722-233/047-000

THT female header; angled; Pin spacing 5 mm; 3-pole; 100% protected against mismatching; Spacer flange; 0,6 x 1,0 mm solder pin; light gray

Item no.: 722-234/039-000

THT female header; angled; Pin spacing 5 mm; 4-pole; 100% protected against mismatching; Locking lever; 0,6 x 1,0 mm solder pin; light gray



Item no.: 722-133

THT female header; straight; Pin spacing 5 mm; 3-pole; 100% protected against mismatching; 0,6 x 1,0 mm solder pin; light gray

Item no.: 722-133/031-000

THT female header; straight; Pin spacing 5 mm; 3-pole; 100% protected against mismatching; clamping collar; 0,6 x 1,0 mm solder pin; light gray

Item no.: 722-133/039-000

THT female header; straight; Pin spacing 5 mm; 3-pole; 100% protected against mismatching; Locking lever; 0,6 x 1,0 mm solder pin; light gray

Item no.: 722-133/047-000

THT female header; straight; Pin spacing 5 mm; 3-pole; 100% protected against mismatching; Spacer flange; 0,6 x 1,0 mm solder pin; light gray

1.2 Optional accessories

1.2.1 Coding

1.2.1.1 Coding



[Item no.: 231-129](#)
Coding key; snap-on type; light gray

1.2.2 Cover

1.2.2.1 Cover



[Item no.: 231-668](#)
Lockout caps; for covering unused clamping units; gray

1.2.3 Ferrule

1.2.3.1 Ferrule



[Item no.: 216-301](#)
Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow



[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



[Item no.: 216-131](#)
Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated; silver-colored



[Item no.: 216-302](#)
Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise



[Item no.: 216-322](#)
Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise



[Item no.: 216-132](#)
Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated



[Item no.: 216-152](#)
Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated



[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



[Item no.: 216-201](#)
Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white



[Item no.: 216-221](#)
Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white



[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



[Item no.: 216-101](#)
Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-colored



[Item no.: 216-121](#)
Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-colored



[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



[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



[Item no.: 216-202](#)
Ferrule; Sleeve for 0.75 mm² / 18 AWG; uninsulated; electro-tin plated; gray



[Item no.: 216-222](#)
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray



[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



[Item no.: 216-102](#)
Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-colored



[Item no.: 216-122](#)
Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-colored



[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



[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



[Item no.: 216-203](#)
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red

1.2.3.1 Ferrule



Item no.: 216-223
 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.: 216-143
 Ferrule; Sleeve for 1 mm² / AWG 18; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92

Item no.: 216-123
 Ferrule; Sleeve for 1 mm² / AWG 18; un-insulated; electro-tin plated; silver-colored



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

Item no.: 216-224
 Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black

Item no.: 216-244
 Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; 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; insulated; 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; insulated; 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-colored



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

1.2.4 Insulation stop

1.2.4.1 Insulation stop



Item no.: 231-670
 Insulation stop; 0.08-0.2 mm² / 0.2 mm² "s"; white

Item no.: 231-671
 Insulation stop; 0.25 - 0.5 mm²; light gray

Item no.: 231-672
 Insulation stop; 0.75 - 1 mm²; dark gray

1.2.5 Jumper

1.2.5.1 Jumper



Item no.: 231-910
 Jumper; for conductor entry; 10-way; insulated; gray

Item no.: 231-902
 Jumper; for conductor entry; 2-way; insulated; gray

Item no.: 231-903
 Jumper; for conductor entry; 3-way; insulated; gray

Item no.: 231-905
 Jumper; for conductor entry; 5-way; insulated; gray



Item no.: 231-907
 Jumper; for conductor entry; 7-way; insulated; gray

1.2.6 Marking

1.2.6.1 Marking strip



Item no.: 210-331/500-103
 Marking strips; as a DIN A4 sheet; MAR-KED; 1-12 (300x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white



Item no.: 210-332/500-202
 Marking strips; as a DIN A4 sheet; MAR-KED; 1-16 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white



Item no.: 210-332/500-205
 Marking strips; as a DIN A4 sheet; MAR-KED; 1-32 (80x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white



Item no.: 210-331/500-104
 Marking strips; as a DIN A4 sheet; MAR-KED; 13-24 (300x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white



Item no.: 210-332/500-204
 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.: 210-332/500-206
 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

1.2.7 Strain relief

1.2.7.1 Strain relief housing



Item no.: 232-603
 Strain relief housing; gray

1.2.8 Tool

1.2.8.1 Operating tool



Item no.: 231-231
 Combination operating tool; red



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



Item no.: 280-440
 Operating tool; made of insulating material; 10-way



Item no.: 209-130
 Operating tool; made of insulating material; 1-way; for 264 Series (1-1/2-way), 280, 281 Series (up to 3-way); natural



Item no.: 231-291
 Operating tool; made of insulating material; 1-way; loose; red



Item no.: 231-131
 Operating tool; made of insulating material; 1-way; loose; white



Item no.: 280-432
 Operating tool; made of insulating material; 2-way; white



Item no.: 280-433
 Operating tool; made of insulating material; 3-way



Item no.: 280-434
 Operating tool; made of insulating material; 4-way



Item no.: 280-435
 Operating tool; made of insulating material; 5-way; gray



Item no.: 280-436
 Operating tool; made of insulating material; 6-way



Item no.: 280-437
 Operating tool; made of insulating material; 7-way



Item no.: 280-438
 Operating tool; made of insulating material; 8-way



Item no.: 231-159
 Operating tool; natural