

COMBI receptacle - PPC 1,5/S-NS/18 - 3061981

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COMBI receptacle, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 1, number of positions: 18, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 63 mm, height: 17.8 mm, color: gray, mounting type: NS 35/15, NS 35/7,5

Your advantages

- ✓ For secure and space-saving accommodation of plug-in contacts in cable ducts and distributor shafts
- ✓ The Push-in technology COMBI couplings for self-assembly provide solutions that users can implement themselves
- ✓ Tested for railway applications



COMPLETE RoHS

Key Commercial Data

Packing unit	10 pc
GTIN	
GTIN	4046356670920

Technical data

General

Number of positions	18
Number of levels	1
Number of connections	1
Potentials	18
Nominal cross section	1.5 mm ²
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Area of application	Railway industry
	Machine building
	Plant engineering
Maximum load current	17.5 A (with 1.5 mm ² conductor cross section)
Rated surge voltage	6 kV

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Technical data

General

Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Maximum power dissipation for nominal condition	0.56 W
Maximum load current	17.5 A (with 1.5 mm ² conductor cross section)
Nominal current I _N	17.5 A
Nominal voltage U _N	500 V
Open side panel	Yes
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Static insulating material application in cold	-60 °C
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3

Dimensions

Width	63 mm
End cover width	2.2 mm
Length	43 mm
Height	17.8 mm
Height NS 35/7,5	28.3 mm
Height NS 35/15	35.8 mm
Height NS 15	28.3 mm
Height	20.8 mm
Pitch	3.5 mm

Connection data

Connection	1 level
Connection method	Push-in connection
Stripping length	8 mm
Connection in acc. with standard	IEC 61984
Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section AWG min.	26
Conductor cross section AWG max.	14
Conductor cross section flexible min.	0.14 mm ²

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Connection data

Conductor cross section flexible max.	1.5 mm ²
Min. AWG conductor cross section, flexible	26
Max. AWG conductor cross section, flexible	14
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.14 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	1.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.14 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	1 mm ²
Conductor cross section solid min.	0.25 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.34 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	1.5 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.34 mm ²
Conductor cross section flexible, with ferrule with plastic sleeve max.	1 mm ²
Internal cylindrical gage	A1 / B1

Standards and Regulations

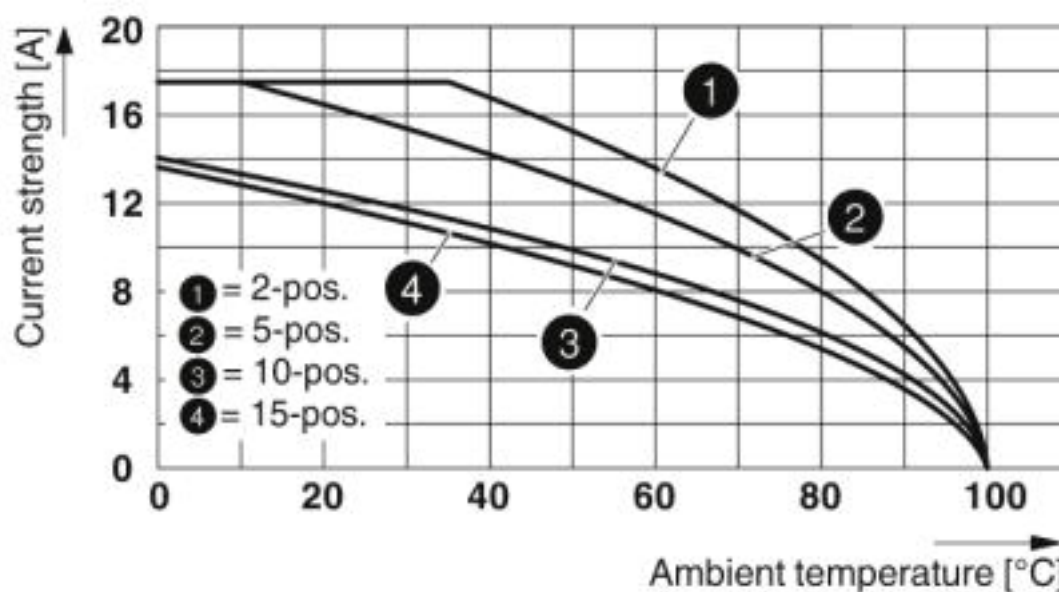
Connection in acc. with standard	IEC 61984
Flammability rating according to UL 94	V0

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Diagram



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Circuit diagram



Classifications

eCl@ss

eCl@ss 4.0	27260700
eCl@ss 4.1	27260700
eCl@ss 5.0	27141100
eCl@ss 5.1	27141100
eCl@ss 6.0	27141100
eCl@ss 7.0	27141106
eCl@ss 8.0	27141106
eCl@ss 9.0	27141120

ETIM

ETIM 3.0	EC000897
ETIM 4.0	EC002021
ETIM 5.0	EC001284
ETIM 6.0	EC001284
ETIM 7.0	EC001284

UNSPSC

UNSPSC 6.01	30211802
UNSPSC 7.0901	39121402
UNSPSC 11	39121402
UNSPSC 12.01	39121402
UNSPSC 13.2	39121409
UNSPSC 18.0	39121410
UNSPSC 19.0	39121410
UNSPSC 20.0	39121410
UNSPSC 21.0	39121410

Approvals

Approvals

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Approvals

Approvals

EAC / EAC

Ex Approvals

Approval details

EAC		RU C- DE.A*30.B.01742
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EAC		RU C- DE.BL08.B.00511
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Accessories

Accessories

Cable housing

Cable housing - PH 1,5/S/3 - 3212756



Cable housing, pitch: 10.5 mm, length: 19.9 mm, width: 10.5 mm, height: 36.8 mm, number of positions: 3, color: gray

Cable housing - PH 1,5/S/4 - 3212769



Cable housing, pitch: 14 mm, length: 19.9 mm, width: 14 mm, height: 36.8 mm, number of positions: 4, color: gray

Cable housing - PH 1,5/S/5 - 3212772



Cable housing, pitch: 17.5 mm, length: 19.9 mm, width: 17.5 mm, height: 36.8 mm, number of positions: 5, color: gray

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Accessories

Cable housing - PH 1,5/S/6 - 3212785



Cable housing, pitch: 21 mm, length: 19.9 mm, width: 21 mm, height: 36.8 mm, number of positions: 6, color: gray

Cable housing - PH 1,5/S/7 - 3212798



Cable housing, pitch: 24.5 mm, length: 19.9 mm, width: 24.5 mm, height: 36.8 mm, number of positions: 7, color: gray

Cable housing - PH 1,5/S/8 - 3212808



Cable housing, pitch: 28 mm, length: 19.9 mm, width: 28 mm, height: 36.8 mm, number of positions: 8, color: gray

Cable housing - PH 1,5/S/9 - 3212811



Cable housing, pitch: 31.5 mm, length: 19.9 mm, width: 31.5 mm, height: 36.8 mm, number of positions: 9, color: gray

Cable housing - PH 1,5/S/10 - 3212824



Cable housing, pitch: 35 mm, length: 19.9 mm, width: 35 mm, height: 36.8 mm, number of positions: 10, color: gray

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Accessories

Cable housing - PH 1,5/S/11 - 3212837



Cable housing, pitch: 38.5 mm, length: 19.9 mm, width: 38.5 mm, height: 36.8 mm, number of positions: 11, color: gray

Cable housing - PH 1,5/S/12 - 3212840



Cable housing, pitch: 42 mm, length: 19.9 mm, width: 42 mm, height: 36.8 mm, number of positions: 12, color: gray

Cable housing - PH 1,5/S/13 - 3212853



Cable housing, pitch: 45.5 mm, length: 19.9 mm, width: 45.5 mm, height: 36.8 mm, number of positions: 13, color: gray

Cable housing - PH 1,5/S/14 - 3212866



Cable housing, pitch: 49 mm, length: 19.9 mm, width: 49 mm, height: 36.8 mm, number of positions: 14, color: gray

Coding element

Coding star - PC - 3040588



Coding star, length: 3 mm, width: 3 mm, height: 6 mm, color: red

End block

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Accessories

End clamp - E/AL-NS 35 - 1201662



End clamp, for end support of UKH 50 to UKH 240, is pushed onto DIN rail NS 35 and fixed with 2 screws, width: 10 mm, color: aluminum

End cover

End cover - D-PPC 1,5/S - 3213690



End cover, length: 17.8 mm, width: 3 mm, height: 27 mm, color: gray

Insulating sleeve

Insulating sleeve - MPS-IH WH - 0201663

Insulating sleeve, color: white



Insulating sleeve - MPS-IH RD - 0201676

Insulating sleeve, color: red



Insulating sleeve - MPS-IH BU - 0201689

Insulating sleeve, color: blue



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Accessories

Insulating sleeve - MPS-IH YE - 0201692

Insulating sleeve, color: yellow



Insulating sleeve - MPS-IH GN - 0201702

Insulating sleeve, color: green



Insulating sleeve - MPS-IH GY - 0201728

Insulating sleeve, color: gray



Insulating sleeve - MPS-IH BK - 0201731

Insulating sleeve, color: black



Labeled terminal marker

Zack Marker strip, flat - ZBF 3,5 CUS - 0829394



Zack Marker strip, flat, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 3.5 mm, lettering field size: 3.5 x 5.2 mm, Number of individual labels: 10

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Accessories

Zack Marker strip, flat - ZBF 3,5,LGS:FORTL.ZAHLEN - 0801406



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snap into flat marker groove, for terminal block width: 3.5 mm, lettering field size: 5.15 x 3.5 mm, Number of individual labels: 10

Zack Marker strip, flat - ZBF 3,5,QR:FORTL.ZAHLEN - 0801407



Zack Marker strip, flat, Strip, white, labeled, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snap into flat marker groove, for terminal block width: 3.5 mm, lettering field size: 5.15 x 3.5 mm, Number of individual labels: 10

Marker for terminal blocks - UCT-TMF 3,5 CUS - 0829644



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 3.5 mm, lettering field size: 2.7 x 4.7 mm, Number of individual labels: 108

Screwdriver tools

Screwdriver - SZF 0-0,4X2,5 - 1204504



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.4 x 2.5 x 75 mm, 2-component grip, with non-slip grip

Actuation tool - ST-BW 0 - 1200135



Actuation tool, for all 1.5 mm² spring cages from PT 1,5/S and FT 1,5/S

Terminal marking

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Accessories

Zack Marker strip, flat - ZBF 3,5:UNBEDRUCKT - 0829392



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 3.5 mm, lettering field size: 3.5 x 5.2 mm, Number of individual labels: 10

Marker for terminal blocks - UCT-TMF 3,5 - 0829486



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snap into flat marker groove, for terminal block width: 3.5 mm, lettering field size: 2.7 x 4.7 mm, Number of individual labels: 108

Test plug terminal block

Test plugs - MPS-MT - 0201744



Test plugs, with solder connection up to 1 mm² conductor cross section, color: gray

Additional products

Plug - PP-H 1,5/S/1 - 3212484



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 1, number of positions: 1, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 3.5 mm, height: 31.3 mm, color: gray, mounting type: Plug-in mounting

Plug - PP-H 1,5/S/1 BU - 3212497



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 1, number of positions: 1, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 3.5 mm, height: 31.3 mm, color: blue

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Accessories

Plug - PP-H 1,5/S/1 GNYE - 3212507



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 1, number of positions: 1, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 3.5 mm, height: 31.3 mm, color: green-yellow

Plug - PP-H 1,5/S/2 - 3212510



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 2, number of positions: 2, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 7 mm, height: 31.3 mm, color: gray, mounting type: Plug-in mounting

Plug - PP-H 1,5/S/3 - 3212523



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 3, number of positions: 3, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 10.5 mm, height: 31.3 mm, color: gray, mounting type: Plug-in mounting

Plug - PP-H 1,5/S/4 - 3212536



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 4, number of positions: 4, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 14 mm, height: 31.3 mm, color: gray, mounting type: Plug-in mounting

Plug - PP-H 1,5/S/5 - 3212549



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 5, number of positions: 5, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 17.5 mm, height: 31.3 mm, color: gray, mounting type: Plug-in mounting

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Accessories

Plug - PP-H 1,5/S/6 - 3212552



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 6, number of positions: 6, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 21 mm, height: 31.3 mm, color: gray, mounting type: Plug-in mounting

Plug - PP-H 1,5/S/7 - 3212565



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 7, number of positions: 7, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 24.5 mm, height: 31.3 mm, color: gray

Plug - PP-H 1,5/S/8 - 3212578



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 8, number of positions: 8, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 28 mm, height: 31.3 mm, color: gray, mounting type: Plug-in mounting

Plug - PP-H 1,5/S/9 - 3212581



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 9, number of positions: 9, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 31.5 mm, height: 31.3 mm, color: gray

Plug - PP-H 1,5/S/10 - 3212594



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 10, number of positions: 10, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 35 mm, height: 31.3 mm, color: gray

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Accessories

Plug - PP-H 1,5/S/11 - 3212604



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 11, number of positions: 11, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 38.5 mm, height: 31.3 mm, color: gray

Plug - PP-H 1,5/S/12 - 3212617



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 12, number of positions: 12, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 42 mm, height: 31.3 mm, color: gray

Plug - PP-H 1,5/S/13 - 3212620



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 13, number of positions: 13, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 45.5 mm, height: 31.3 mm, color: gray

Plug - PP-H 1,5/S/14 - 3212633



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 14, number of positions: 14, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 49 mm, height: 31.3 mm, color: gray

Plug - PP-H 1,5/S/15 - 3212646



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 15, number of positions: 15, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 52.5 mm, height: 31.3 mm, color: gray

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Accessories

Plug - PP-H 1,5/S/1-L - 3212659



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 1, number of positions: 1, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 3.5 mm, height: 31.3 mm, color: gray

Plug - PP-H 1,5/S/1-L BU - 3212662



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 1, number of positions: 1, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 3.5 mm, height: 31.3 mm, color: blue

Plug - PP-H 1,5/S/1-L GNYE - 3212675



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 1, number of positions: 1, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 3.5 mm, height: 31.3 mm, color: green-yellow

Plug - PP-H 1,5/S/1-M - 3212688



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 1, number of positions: 1, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 3.5 mm, height: 31.3 mm, color: gray

Plug - PP-H 1,5/S/1-M BU - 3212691



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 1, number of positions: 1, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 3.5 mm, height: 31.3 mm, color: blue

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Accessories

Plug - PP-H 1,5/S/1-M GNYE - 3212701



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 1, number of positions: 1, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 3.5 mm, height: 31.3 mm, color: green-yellow

Plug - PP-H 1,5/S/1-R - 3212714



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 1, number of positions: 1, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 3.5 mm, height: 31.3 mm, color: gray

Plug - PP-H 1,5/S/1-R BU - 3212727



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 1, number of positions: 1, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 3.5 mm, height: 31.3 mm, color: blue

Plug - PP-H 1,5/S/1-R GNYE - 3212730



Plug, nom. voltage: 500 V, nominal current: 17.5 A, connection method: Push-in connection, number of connections: 1, number of positions: 1, cross section: 0.14 mm² - 1.5 mm², AWG: 26 - 14, width: 3.5 mm, height: 31.3 mm, color: green-yellow

Strain relief - PZ 1,5/S/2 - 3212918



Strain relief, length: 44.5 mm, width: 6.8 mm, number of positions: 2, color: black

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Accessories

Latching - PRZ 1,5/S - 3212905



Latching, length: 59 mm, width: 6.8 mm, color: orange

Latching - PR 1,5/S/2 - 3212895



Latching, length: 28.9 mm, width: 6.8 mm, number of positions: 2, color: orange

Latching - PR 1,5/S - 3212882



Latching, length: 28.9 mm, width: 3.3 mm, number of positions: 1, color: orange

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