

SP 4/ 5 - Plug

3042939

<https://www.phoenixcontact.com/in/products/3042939>



Please be informed that the data shown in this PDF document is generated from our Online Catalog. Please find the complete data in the user documentation. Our General Terms of Use for Downloads are valid.



Plug, nom. voltage: 800 V, nominal current: 32 A, number of positions: 5, connection method: Spring-cage connection, Rated cross section: 4 mm², cross section: 0.08 mm²- 6 mm², color: gray

Your advantages

- Large-surface labeling option
- Practical coding option
- Tested for railway applications

Commercial Data

Item number	3042939
Packing unit	50 pc
Minimum order quantity	1 pc
Sales Key	BE2
Product Key	BE2144
Catalog Page	Page 345 (C-1-2019)
GTIN	4017918956271
Weight per Piece (including packing)	21.69 g
Weight per Piece (excluding packing)	19.5 g
Customs tariff number	85366990
Country of origin	PL

SP 4/ 5 - Plug

3042939

<https://www.phoenixcontact.com/in/products/3042939>



Technical Data

Product properties

Product type	Terminal plug
Number of positions	5
Pitch	6.2 mm

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	8 kV
---------------------	------

Connection data

Nominal cross section	4 mm ²
Stripping length	8 mm ... 10 mm
Internal cylindrical gage	A4
Connection in acc. with standard	IEC 61984
Conductor cross section rigid	0.08 mm ² ... 6 mm ²
Cross section AWG	28 ... 10 (converted acc. to IEC)
Conductor cross section flexible	0.08 mm ² ... 4 mm ²
Conductor cross section, flexible [AWG]	28 ... 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.14 mm ² ... 4 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.14 mm ² ... 4 mm ²
Conductor cross-section flexible (2 conductors with the same cross-section, with TWIN ferrule and plastic sleeve)	0.5 mm ² ... 1 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 1 mm ²
Nominal current	32 A
Maximum load current	32 A (with 6 mm ² conductor cross section)
Nominal voltage	800 V
Nominal cross section	4 mm ²

Dimensions

Width	31 mm
Height	41.5 mm
Length	21 mm
Pitch	6.2 mm

Material specifications

Color	gray
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA

SP 4/ 5 - Plug



3042939

<https://www.phoenixcontact.com/in/products/3042939>

Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
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
Calorimetric heat release NFPA 130 (ASTM E 1354)	28 MJ/kg
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

Environmental and real-life conditions

Ambient conditions

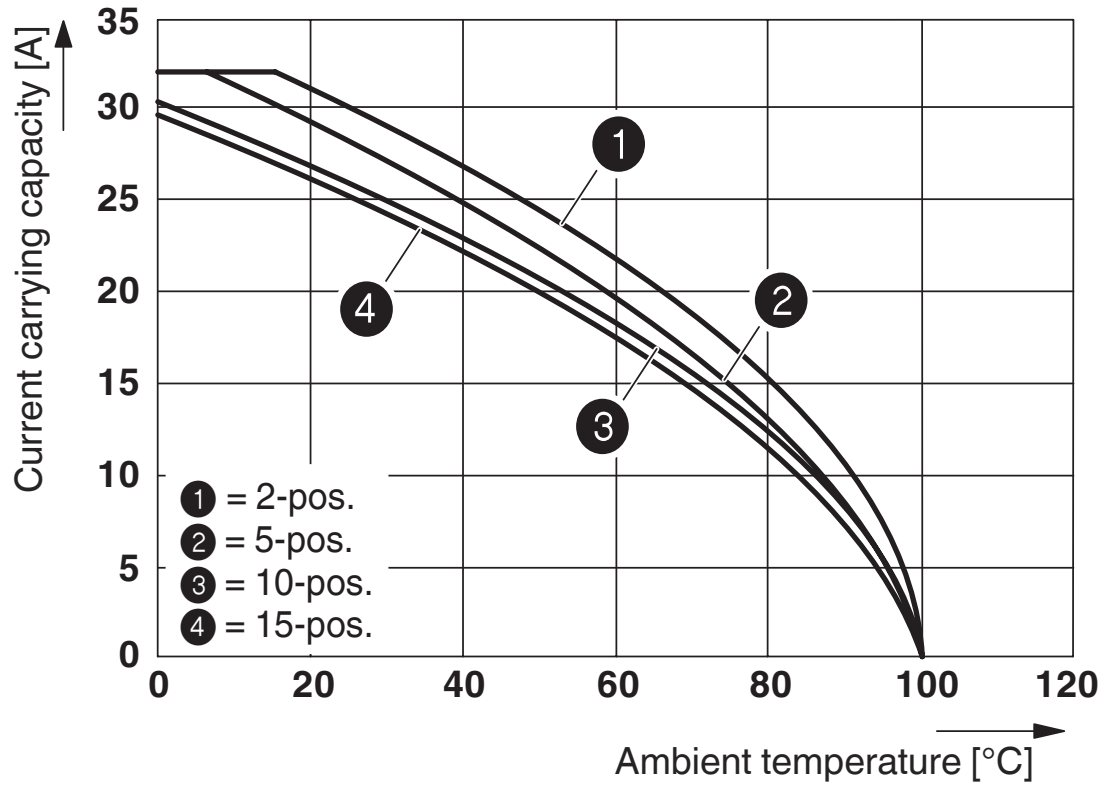
Ambient temperature (operation)	-60 °C ... 105 °C (max. short-term operating temperature RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (storage/transport)	30 % ... 70 %

Standards and regulations

Connection in acc. with standard	IEC 61984
----------------------------------	-----------

Drawings

Diagram

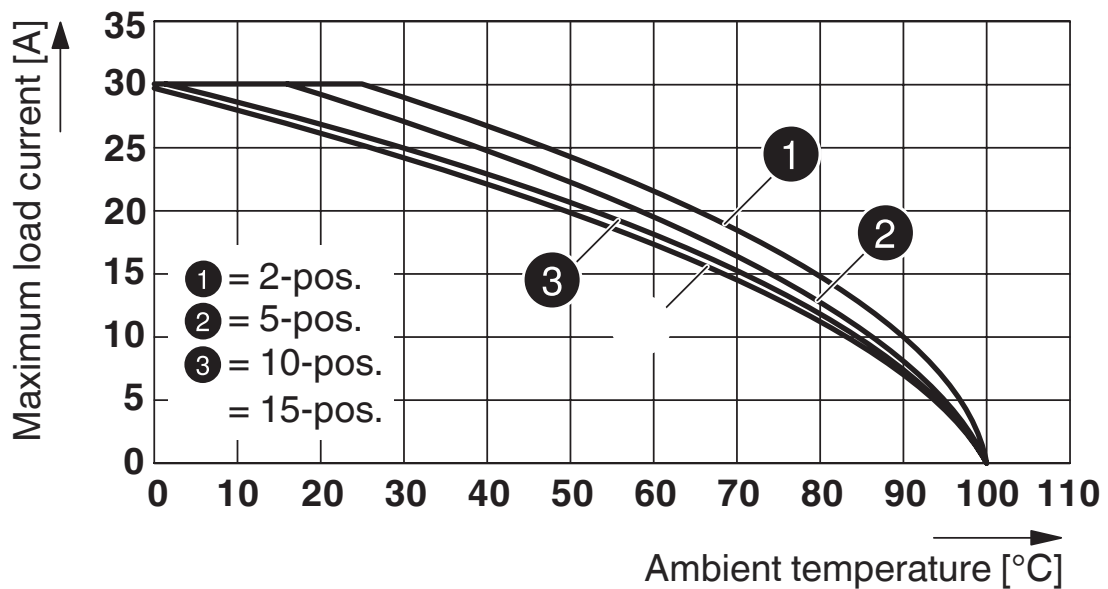


The figure shows the derating curve of the ST 4... terminal block in connection with the SP 4 plug

Circuit diagram

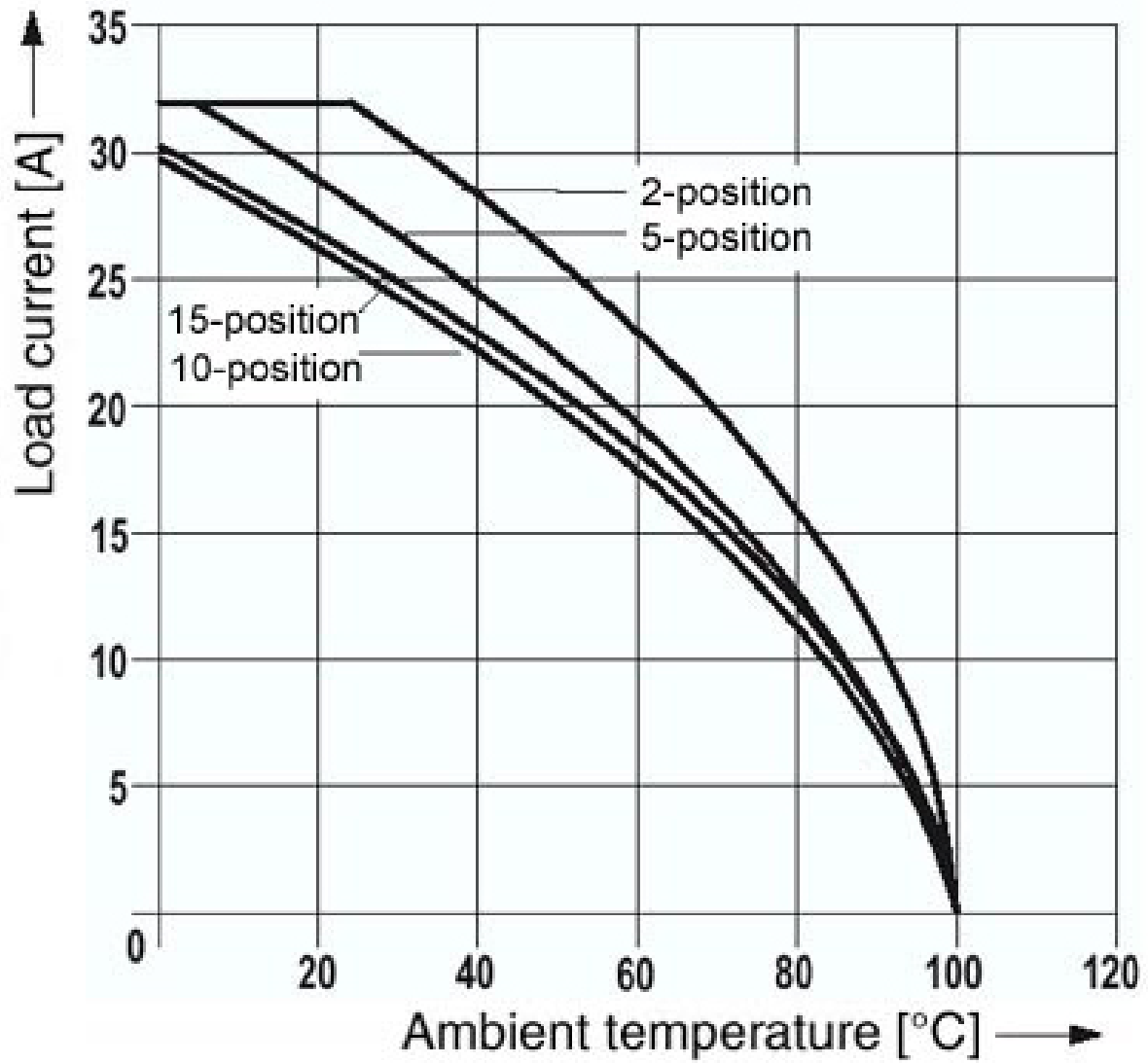


Diagram



Derating curve for ST 4/ 1P and for all plug versions SP...

Diagram

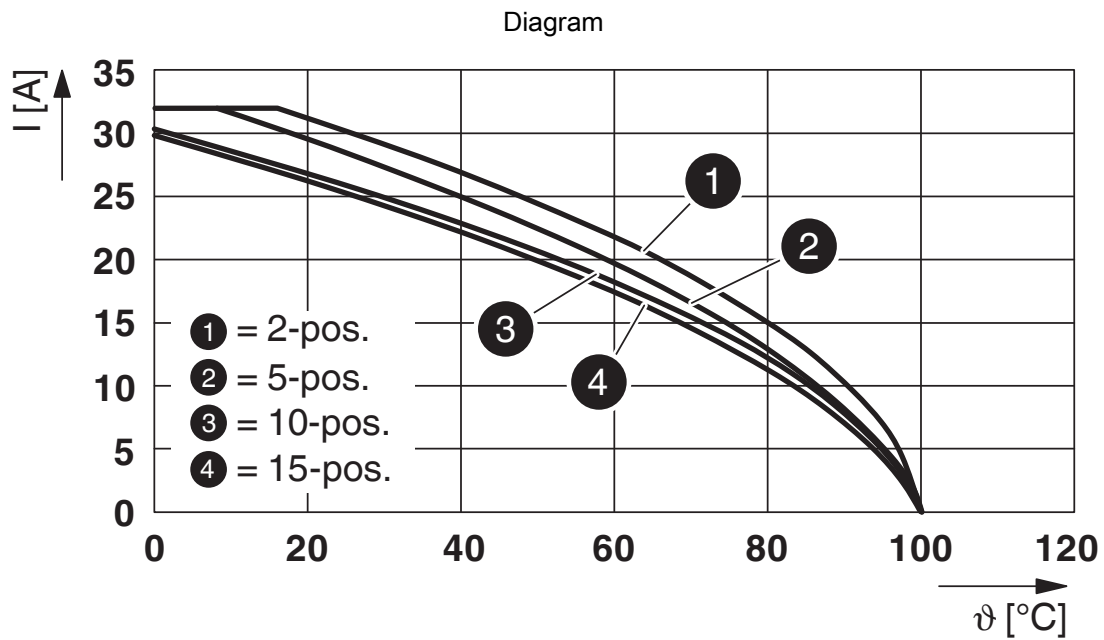


Derating curve for the spring-cage terminal with all plug versions SP 4/...

SP 4/ 5 - Plug

3042939

<https://www.phoenixcontact.com/in/products/3042939>



Derating curve for spring-cage terminals ST 4/1P.. and ST 4/2P.. with all plug versions SP 4/... . The derating curves are determined by multiplying the values of the base curves by the factor 0.8.


SP 4/ 5 - Plug


3042939


<https://www.phoenixcontact.com/in/products/3042939>





Approvals


 CSA Approval ID: 13631				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Use group B	600 V	30 A	24 - 12	-
Use group C	600 V	30 A	24 - 12	-

 IECEE CB Scheme Approval ID: DE1-62736/B1/B2				
--	--	--	--	--

 EAC Approval ID: RU C-DE.AI30.B.01102				
---	--	--	--	--

 cULus Recognized Approval ID: E60425				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Use group B	600 V	30 A	28 - 10	-
Use group C	600 V	30 A	28 - 10	-

 VDE Zeichengenehmigung Approval ID: 40019518				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Only flexible conductors	800 V	-	-	0.2 - 4
Only rigid conductors	800 V	-	-	0.2 - 6

 EAC Approval ID: RU C-DE.BL08.B.00511				
---	--	--	--	--

SP 4/ 5 - Plug

3042939

<https://www.phoenixcontact.com/in/products/3042939>



Classifications

ECLASS

ECLASS-11.0	27141151
ECLASS-12.0	27141151
ECLASS-13.0	27250306

ETIM

ETIM 8.0	EC002021
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

SP 4/ 5 - Plug

3042939

<https://www.phoenixcontact.com/in/products/3042939>



Environmental Product Compliance

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

SP 4/ 5 - Plug

3042939

<https://www.phoenixcontact.com/in/products/3042939>



Accessories

PZ/2 - Strain relief

3040627

<https://www.phoenixcontact.com/in/products/3040627>



Strain relief, length: 48.7 mm, width: 9.3 mm, number of positions: 2, color: black

PR - Latching

3040559

<https://www.phoenixcontact.com/in/products/3040559>



Latching, length: 29.8 mm, width: 4.4 mm, number of positions: 1, color: orange

SP 4/ 5 - Plug

3042939

<https://www.phoenixcontact.com/in/products/3042939>

PR/2 - Latching

3040630

<https://www.phoenixcontact.com/in/products/3040630>



Latching, length: 29.8 mm, width: 10 mm, number of positions: 2, color: orange

PRT/2 - Latching

3040631

<https://www.phoenixcontact.com/in/products/3040631>



Latching, can only be released using a screwdriver, length: 23.2 mm, width: 9 mm, number of positions: 2, color: orange

SP 4/ 5 - Plug

3042939

<https://www.phoenixcontact.com/in/products/3042939>

PRZ - Latching

3040614

<https://www.phoenixcontact.com/in/products/3040614>



Latching, number of positions: 2, length: 64 mm, color: orange

PSH 3- 6 - Shield connection clamp

3040591

<https://www.phoenixcontact.com/in/products/3040591>



Shield connection clamp, color: black

SP 4/ 5 - Plug

3042939

<https://www.phoenixcontact.com/in/products/3042939>

PSH 5-10 - Shield connection clamp

3040601

<https://www.phoenixcontact.com/in/products/3040601>



Shield connection clamp, color: black

B-STIFT - Marker pen

1051993

<https://www.phoenixcontact.com/in/products/1051993>



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

SP 4/ 5 - Plug

3042939

<https://www.phoenixcontact.com/in/products/3042939>



X-PEN 0,35 - Marker pen

0811228

<https://www.phoenixcontact.com/in/products/0811228>



Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm

ST-BW - Actuation tool

1207608

<https://www.phoenixcontact.com/in/products/1207608>



Actuation tool, for all 2.5 mm² - 4.0 mm² spring-cages

SP 4/ 5 - Plug

3042939

<https://www.phoenixcontact.com/in/products/3042939>



ISH 4/0,5 - Insulating sleeve

3002885

<https://www.phoenixcontact.com/in/products/3002885>



Insulating sleeve, color: gray

ISH 4/1,0 - Insulating sleeve

3002898

<https://www.phoenixcontact.com/in/products/3002898>



Insulating sleeve, color: black

SP 4/ 5 - Plug

3042939

<https://www.phoenixcontact.com/in/products/3042939>

ZBF 6:UNBEDRUCKT - Zack Marker strip, flat

0808710

<https://www.phoenixcontact.com/in/products/0808710>



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 5.15 x 6.15 mm, Number of individual labels: 10

ZBF 6 CUS - Zack Marker strip, flat

0825027

<https://www.phoenixcontact.com/in/products/0825027>



Zack Marker strip, flat, Strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 6.2 mm, lettering field size: 5.15 x 6.15 mm, Number of individual labels: 10

SP 4/ 5 - Plug

3042939

<https://www.phoenixcontact.com/in/products/3042939>



UC-TMF 6 - Marker for terminal blocks

0818140

<https://www.phoenixcontact.com/in/products/0818140>



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 5.6 x 5.1 mm, Number of individual labels: 80

UC-TMF 6 CUS - Marker for terminal blocks

0824646

<https://www.phoenixcontact.com/in/products/0824646>



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: 6.2 mm, lettering field size: 5.6 x 5.1 mm, Number of individual labels: 80

SP 4/ 5 - Plug

3042939

<https://www.phoenixcontact.com/in/products/3042939>



UCT-TMF 6 - Marker for terminal blocks

0828746

<https://www.phoenixcontact.com/in/products/0828746>



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: snapped, for terminal block width: 6.2 mm, lettering field size: 5.4 x 4.7 mm, Number of individual labels: 60

UCT-TMF 6 CUS - Marker for terminal blocks

0829665

<https://www.phoenixcontact.com/in/products/0829665>



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: 6.2 mm, lettering field size: 5.4 x 4.7 mm, Number of individual labels: 60

SP 4/ 5 - Plug

3042939

<https://www.phoenixcontact.com/in/products/3042939>



ZBF 6,LGS:FORTL.ZAHLEN - Zack Marker strip, flat

0808749

<https://www.phoenixcontact.com/in/products/0808749>



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 5.15 x 6.15 mm, Number of individual labels: 10

ZBF 6,QR:FORTL.ZAHLEN - Zack Marker strip, flat

0808765

<https://www.phoenixcontact.com/in/products/0808765>



Zack Marker strip, flat, Strip, white, labeled, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 5.15 x 6.15 mm, Number of individual labels: 10

SP 4/ 5 - Plug

3042939

<https://www.phoenixcontact.com/in/products/3042939>



ZBF 6,LGS:GERADE ZAHLEN - Zack Marker strip, flat

0810834

<https://www.phoenixcontact.com/in/products/0810834>



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive even numbers 2 ... 20, 22 ... 40, etc. up to 82 ... 100, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 5.15 x 6.15 mm, Number of individual labels: 10

ZBF 6,LGS:UNGERADE ZAHLEN - Zack Marker strip, flat

0810876

<https://www.phoenixcontact.com/in/products/0810876>



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: Odd numbers 1 - 19, 21 - 39, etc. up to 81 - 99, mounting type: snapped, for terminal block width: 6.2 mm, lettering field size: 5.15 x 6.15 mm, Number of individual labels: 10

Phoenix Contact 2023 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT (I) Pvt. Ltd.
A-58/2, Okhla Industrial Area, Phase - II, New Delhi-110 020

+91.1275.71420
info@phoenixcontact.co.in