

BTFE 6-3/12 3U AUX - Test terminal strip



1029250

<https://www.phoenixcontact.com/us/products/1029250>

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Test terminal strip, nom. voltage: 400 V, nominal current: 24 A, connection method: Ring cable lug, 1 level, mounting type: Wall mounting, color: gray

Commercial data

Item number	1029250
Packing unit	1 pc
Sales key	BE06
Product key	BE6114
Catalog page	Page 650 (C-1-2019)
GTIN	4055626531069
Weight per piece (including packing)	22.22 g
Weight per piece (excluding packing)	22.22 g
Customs tariff number	85369010
Country of origin	PL

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Technical data

Product properties

Product type	Test terminal strip
Insulation characteristics	
Overvoltage category	III

Electrical properties

Rated surge voltage	4 kV
Maximum power dissipation for nominal condition	1.02 W
Test surge voltage	5 kV

Connection data

Nominal cross section	4 mm ²
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1 level

Tightening torque	1 ... 1.3 Nm
Internal cylindrical gage	A5
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section flexible	0.5 mm ² ... 6 mm ²
Conductor cross section, flexible [AWG]	24 ... 10 (converted acc. to IEC)
Nominal current	24 A
Maximum load current	24 A
Nominal voltage	400 V

Cable lug connection DIN 46237:1970-07

Connection in acc. with standard	DIN 46237:1970-07
Cross section	0.5 mm ² ... 2.5 mm ²
Cross section range AWG	(converted acc. to IEC)
Hole diameter	3.7 mm
Width	6.8 mm
Bolt diameter	3.5 mm
Identification color of ring cable lugs : red	1 mm ²
Identification color of ring cable lugs : blue	2.5 mm ²
Cross section	4 mm ² ... 6 mm ²
Additional text	Type RS PRO Order No. 267-3919, vertical crimping
Cross section range AWG	(converted acc. to IEC)
Hole diameter	3.7 mm
Width	7.2 mm
Bolt diameter	3.5 mm

Material specifications

Color	gray
Flammability rating according to UL 94	V0

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Insulating material group	I
Insulating material	PC
Relative insulation material temperature index (Elec., UL 746 B)	130 °C

Mechanical properties

Mechanical data

Open side panel	No
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Environmental and real-life conditions

Ambient conditions

Ambient temperature (storage/transport)	-25 °C ... 55 °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 60947-7-1
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Mounting

Mounting type	Wall mounting
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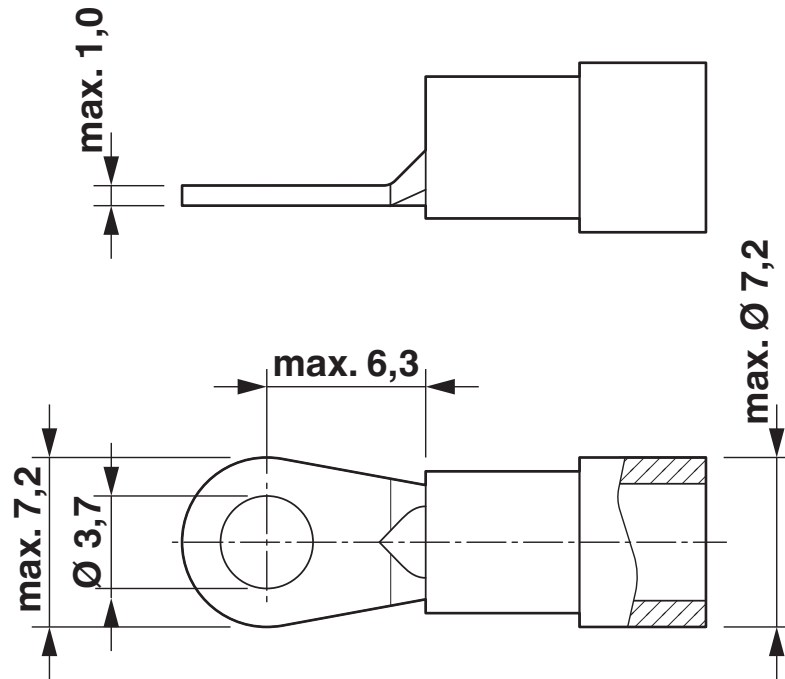
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Drawings

Dimensional drawing



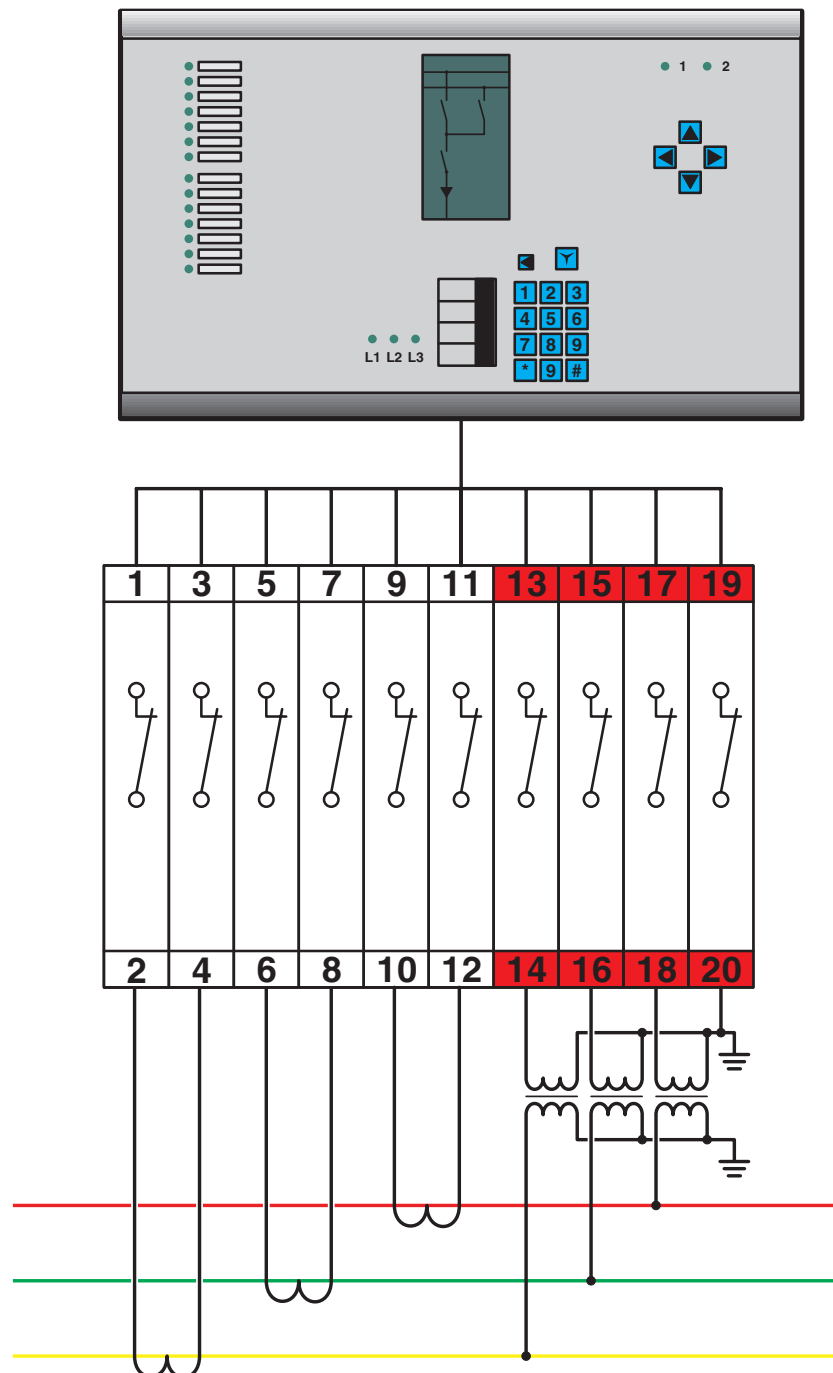
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Circuit diagram



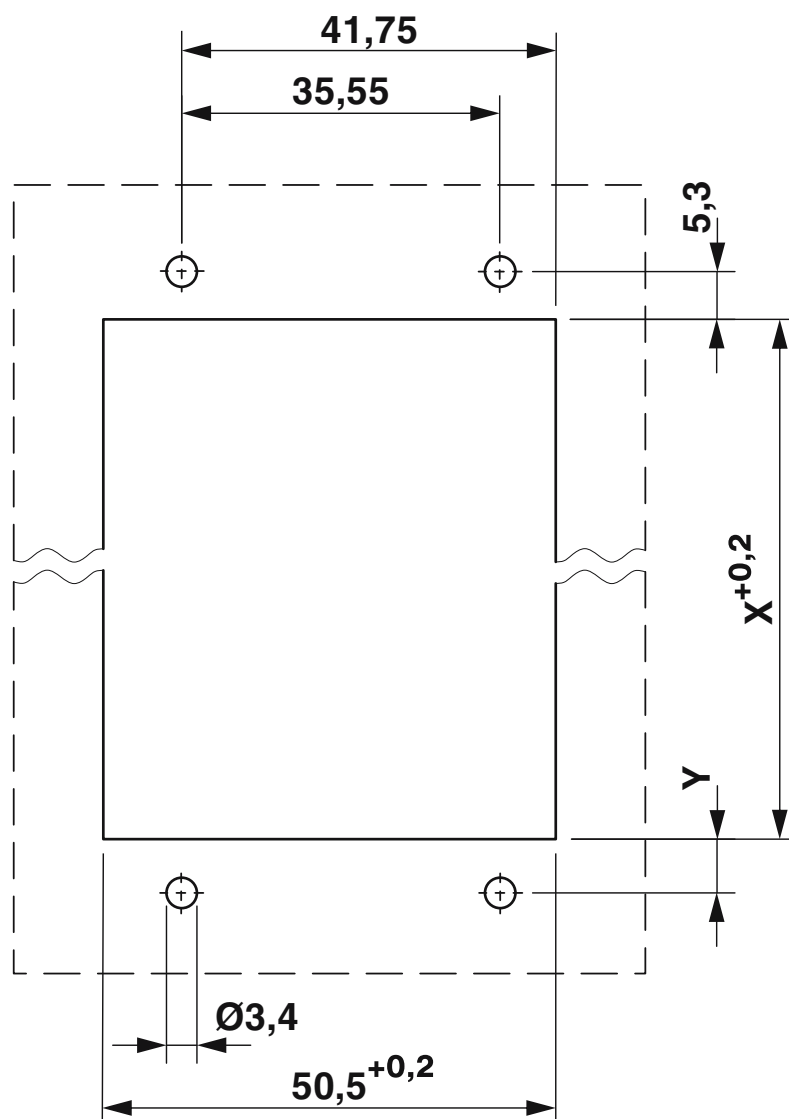
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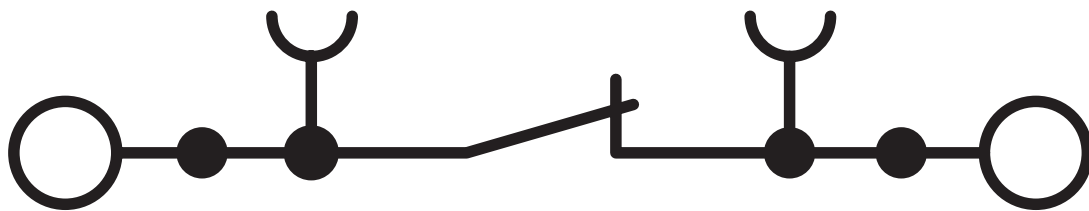
Dimensional drawing



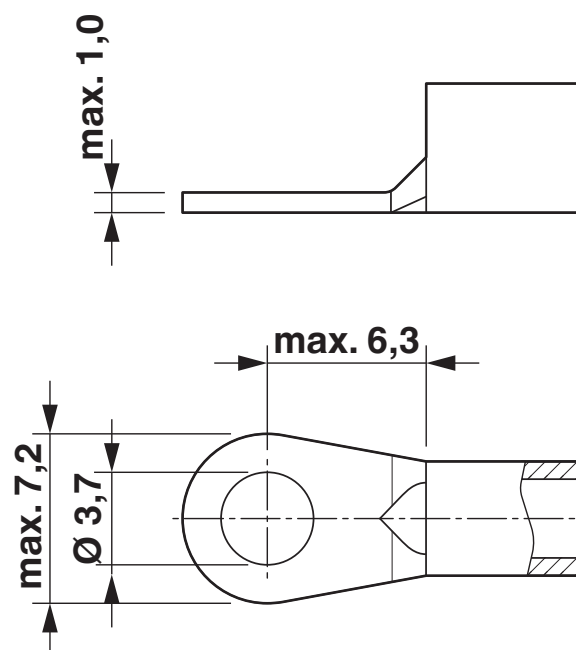
X = 112.0 mm

Y = 5.3 mm

Circuit diagram



Dimensional drawing



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1029250>

 CSA Approval ID: 13631				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B	300 V	30 A	20 - 10	-
Use group C	300 V	30 A	20 - 10	-
Use group D	600 V	5 A	20 - 10	-

 cUL Recognized Approval ID: FILE E 60425				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B	300 V	30 A	20 - 10	-
Use group C	300 V	30 A	20 - 10	-
Use group F	400 V	30 A	20 - 10	-
Use group D	600 V	5 A	20 - 10	-

 UL Recognized Approval ID: FILE E 60425				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B	300 V	30 A	20 - 10	-
Use group C	300 V	30 A	20 - 10	-
Use group F	400 V	30 A	20 - 10	-
Use group D	600 V	5 A	20 - 10	-

cULus Recognized				
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Classifications

ECLASS

ECLASS-11.0	27141126
ECLASS-12.0	27141126
ECLASS-13.0	27250190

ETIM

ETIM 8.0	EC000902
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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Accessories

i Note: Applying some accessories below might limit this product.

FBS 2-8 - Plug-in bridge

3030284

<https://www.phoenixcontact.com/us/products/3030284>



Plug-in bridge, pitch: 8.2 mm, number of positions: 2, color: red

i Max. current carrying capacity: 24 A

FBS 3-8 - Plug-in bridge

3030297

<https://www.phoenixcontact.com/us/products/3030297>



Plug-in bridge, pitch: 8.2 mm, number of positions: 3, color: red

i Max. current carrying capacity: 24 A

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FBS 4-8 - Plug-in bridge

3030307

<https://www.phoenixcontact.com/us/products/3030307>



Plug-in bridge, pitch: 8.2 mm, number of positions: 4, color: red

 Max. current carrying capacity: 24 A

FBS 5-8 - Plug-in bridge

3030310

<https://www.phoenixcontact.com/us/products/3030310>



Plug-in bridge, pitch: 8.2 mm, number of positions: 5, color: red

 Max. current carrying capacity: 24 A

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FBS 6-8 - Plug-in bridge

3032470

<https://www.phoenixcontact.com/us/products/3032470>

Plug-in bridge, pitch: 8.2 mm, number of positions: 6, color: red



 Max. current carrying capacity: 24 A

FBS 10-8 - Plug-in bridge

3030323

<https://www.phoenixcontact.com/us/products/3030323>

Plug-in bridge, pitch: 8.2 mm, number of positions: 10, color: red



 Max. current carrying capacity: 24 A

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FBS 1/3-8 - Plug-in bridge

3032363

<https://www.phoenixcontact.com/us/products/3032363>



Plug-in bridge, pitch: 8.2 mm, number of positions: 3, pin assignment: 1,3, color: red

 Max. current carrying capacity: 24 A

FBS 1/4-8 - Plug-in bridge

3032376

<https://www.phoenixcontact.com/us/products/3032376>



Plug-in bridge, pitch: 8.2 mm, number of positions: 4, pin assignment: 1, 4, color: red

 Max. current carrying capacity: 24 A

BTFE 6-3/12 3U AUX - Test terminal strip

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FBS 1/3/5-8 - Plug-in bridge

3032389

<https://www.phoenixcontact.com/us/products/3032389>



Plug-in bridge, pitch: 8.2 mm, number of positions: 5, pin assignment: 1,3,5, color: red

 Max. current carrying capacity: 24 A

FBS 1/4/7/10-8 - Plug-in bridge

3032402

<https://www.phoenixcontact.com/us/products/3032402>



Plug-in bridge, pitch: 8.2 mm, number of positions: 10, pin assignment: 1,4,7,10, color: red

 Max. current carrying capacity: 24 A

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FBSR 5-8 - Plug-in bridge

3033809

<https://www.phoenixcontact.com/us/products/3033809>



Plug-in bridge, pitch: 8.2 mm, number of positions: 5, color: red

 Max. current carrying capacity: 24 A

FBS 2-8 CT - Plug-in bridge

3033830

<https://www.phoenixcontact.com/us/products/3033830>



Plug-in bridge, pitch: 8.2 mm, number of positions: 2, color: orange

 Max. current carrying capacity: 24 A

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FBS 3-8 CT - Plug-in bridge

3033831

<https://www.phoenixcontact.com/us/products/3033831>



Plug-in bridge, pitch: 8.2 mm, number of positions: 3, color: orange

 Max. current carrying capacity: 24 A

FBS 4-8 CT - Plug-in bridge

3033832

<https://www.phoenixcontact.com/us/products/3033832>



Plug-in bridge, pitch: 8.2 mm, number of positions: 4, color: orange

 Max. current carrying capacity: 24 A

BTFE 6-3/12 3U AUX - Test terminal strip

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<https://www.phoenixcontact.com/us/products/1029250>



FBS 10-8 CT - Plug-in bridge

3033833

<https://www.phoenixcontact.com/us/products/3033833>



Plug-in bridge, pitch: 8.2 mm, number of positions: 10, color: orange

 Max. current carrying capacity: 24 A

FBS 2-8 BU - Plug-in bridge

3032567

<https://www.phoenixcontact.com/us/products/3032567>



Plug-in bridge, pitch: 8.2 mm, number of positions: 2, color: blue

 Max. current carrying capacity: 24 A

BTFE 6-3/12 3U AUX - Test terminal strip

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<https://www.phoenixcontact.com/us/products/1029250>



FBS 3-8 BU - Plug-in bridge

3032570

<https://www.phoenixcontact.com/us/products/3032570>



Plug-in bridge, pitch: 8.2 mm, number of positions: 3, color: blue

 Max. current carrying capacity: 24 A

FBS 4-8 BU - Plug-in bridge

3032583

<https://www.phoenixcontact.com/us/products/3032583>



Plug-in bridge, pitch: 8.2 mm, number of positions: 4, color: blue

 Max. current carrying capacity: 24 A

BTFE 6-3/12 3U AUX - Test terminal strip

1029250

<https://www.phoenixcontact.com/us/products/1029250>



FBS 5-8 BU - Plug-in bridge

3032596

<https://www.phoenixcontact.com/us/products/3032596>



Plug-in bridge, pitch: 8.2 mm, number of positions: 5, color: blue

 Max. current carrying capacity: 24 A

FBS 6-8 BU - Plug-in bridge

3032677

<https://www.phoenixcontact.com/us/products/3032677>



Plug-in bridge, pitch: 8.2 mm, number of positions: 6, color: blue

 Max. current carrying capacity: 24 A

BTFE 6-3/12 3U AUX - Test terminal strip

1029250

<https://www.phoenixcontact.com/us/products/1029250>



FBS 10-8 BU - Plug-in bridge

3032606

<https://www.phoenixcontact.com/us/products/3032606>



Plug-in bridge, pitch: 8.2 mm, number of positions: 10, color: blue

 Max. current carrying capacity: 24 A

TMT (EX6,2)R - Marker for terminal blocks

0803063

<https://www.phoenixcontact.com/us/products/0803063>



Marker for terminal blocks, Roll, white, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: snapped, snap into flat marker groove, lettering field size: 6.2 x 50000 mm, Number of individual labels: 1

BTFE 6-3/12 3U AUX - Test terminal strip

1029250

<https://www.phoenixcontact.com/us/products/1029250>



ZBF 8:UNBEDRUCKT - Zack Marker strip, flat

0808781

<https://www.phoenixcontact.com/us/products/0808781>



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 8 mm, lettering field size: 5.15 x 8.15 mm, Number of individual labels: 10

ZBF 8 CUS - Zack Marker strip, flat

0825030

<https://www.phoenixcontact.com/us/products/0825030>



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: 8 mm, lettering field size: 5.15 x 8.15 mm, Number of individual labels: 10

BTFE 6-3/12 3U AUX - Test terminal strip

1029250

<https://www.phoenixcontact.com/us/products/1029250>



ZBF 8,LGS:FORTL.ZAHLEN - Zack Marker strip, flat

0808804

<https://www.phoenixcontact.com/us/products/0808804>



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 101 ... 110, mounting type: snapped, for terminal block width: 8 mm, lettering field size: 5.15 x 8.15 mm, Number of individual labels: 10

UC-TMF 8 - Marker for terminal blocks

0818137

<https://www.phoenixcontact.com/us/products/0818137>



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: 8.2 mm, lettering field size: 7.6 x 5.1 mm, Number of individual labels: 56

BTFE 6-3/12 3U AUX - Test terminal strip

1029250

<https://www.phoenixcontact.com/us/products/1029250>



UC-TMF 8 CUS - Marker for terminal blocks

0824654

<https://www.phoenixcontact.com/us/products/0824654>



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: 8.2 mm, lettering field size: 7.6 x 5.1 mm, Number of individual labels: 56

UCT-TMF 8 - Marker for terminal blocks

0828748

<https://www.phoenixcontact.com/us/products/0828748>



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: 8.2 mm, lettering field size: 7.4 x 4.7 mm, Number of individual labels: 42

BTFE 6-3/12 3U AUX - Test terminal strip

1029250

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UCT-TMF 8 CUS - Marker for terminal blocks

0829672

<https://www.phoenixcontact.com/us/products/0829672>



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: 8.2 mm, lettering field size: 7.4 x 4.7 mm, Number of individual labels: 42

FTP-3F/12 3U - Test plug

1029267

<https://www.phoenixcontact.com/us/products/1029267>



Test plug, nom. voltage: 400 V, nominal current: 20 A, Rated cross section: 2.5 mm², color: gray

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FBP-3F/12 3U AUX - Blind plug

1029337

<https://www.phoenixcontact.com/us/products/1029337>



Blind plug, nom. voltage: 250 V, nominal current: 24 A, Rated cross section: 6 mm², color: gray

US-TMF 100 - Marker for terminal blocks

0829260

<https://www.phoenixcontact.com/us/products/0829260>



Marker for terminal blocks, Card, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snapped, snap into flat marker groove, lettering field size: 104 x 6.6 mm, Number of individual labels: 20

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PAI-4-N GY - Test adapter

3032871

<https://www.phoenixcontact.com/us/products/3032871>



4 mm test adapter, for terminal blocks with 5.2 mm, 6.2 mm and 8.2 mm pitch

SF-PH 2-100 - Screwdriver

1212560

<https://www.phoenixcontact.com/us/products/1212560>



Screwdriver, PH crosshead (lasered), uninsulated, size: PH 2 x 100, 2-component grip, with non-slip grip

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SF-PH 2-100 S-VDE - Screwdriver

1212694

<https://www.phoenixcontact.com/us/products/1212694>



Screwdriver, crosshead PH (lasered), insulated, size: PH 2 x 100, 2-component handle, with non-slip grip

C-RCI 1,5/M3,5 - Ring cable lug

3240017

<https://www.phoenixcontact.com/us/products/3240017>



Ring cable lug, red, 0.5 ... 1.5 mm², M3.5

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C-RCI 2,5/M3,5 - Ring cable lug

3240022

<https://www.phoenixcontact.com/us/products/3240022>



Ring cable lug, blue, 1.5 ... 2.5 mm², M3.5

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