

PTRE 6-2/B14 - Test terminal strip



3069453

<https://www.phoenixcontact.com/us/products/3069453>

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Test terminal strip, VDE coded type B14, nom. voltage: 400 V, number of connections: 28, number of positions: 14, connection method: Push-in connection, 1 level, Rated cross section: 6 mm², cross section: 0.5 mm² - 10 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

Your advantages

- Space saving, thanks to compact, modular test terminal strips
- Cost-effective, thanks to the tailored, modular design and use of standardized CLIPLINE complete accessories
- The integrated, robust switch contact is designed for the most stringent demands, and the use of high-quality materials ensures the transmission of signal currents, even after multiple actuations
- Maximum safety with leading and automatic transformer short circuit

Commercial data

Item number	3069453
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	BE6112
Catalog page	Page 630 (C-1-2019)
GTIN	4046356907767
Weight per piece (including packing)	445.5 g
Weight per piece (excluding packing)	445.5 g
Country of origin	PL

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Technical data

Notes

General	A detailed circuit diagram can be found under Miscellaneous Downloads
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Product properties

Product type	Test terminal strip
Number of positions	14
Pitch	8.2 mm
Number of connections	28
Number of rows	1
Potentials	14

Insulation characteristics

Overvoltage category	III
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Electrical properties

Rated surge voltage	4 kV
Maximum power dissipation for nominal condition	1.31 W
Test surge voltage	5 kV

Connection data

Number of connections per level	28
Nominal cross section	6 mm ²

1 level

Stripping length	12 mm
Internal cylindrical gage	A5
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.5 mm ² ... 10 mm ²
Cross section AWG	20 ... 8 (converted acc. to IEC)
Conductor cross section flexible	0.5 mm ² ... 6 mm ²
Conductor cross section, flexible [AWG]	20 ... 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm ² ... 6 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm ² ... 6 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 1.5 mm ²
Maximum load current	30 A (with 6 mm ² conductor cross section)
Nominal voltage	400 V AC/DC
Nominal cross section	6 mm ²

1 level Connection cross sections directly pluggable

Conductor cross section rigid	1 mm ² ... 10 mm ²
Conductor cross-section flexible (ferrule without plastic sleeve)	1 mm ² ... 6 mm ²

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Flexible conductor cross section (ferrule with plastic sleeve)	1 mm² ... 6 mm²
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Dimensions

Width	146.7 mm
Height	100 mm
Depth	56.5 mm
Depth on NS 35/7,5	61.8 mm
Depth on NS 35/15	69.3 mm
Pitch	8.2 mm

Material specifications

Color	gray
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	125 °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)	27,5 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

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 ... 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 60947-7-1
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Mounting

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Mounting type	NS 35/7,5
	NS 35/15

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Drawings

Circuit diagram



PTRE 6-2/B14 - Test terminal strip



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3069453>

 CSA Approval ID: 13631				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B				
	600 V	20 A	20 - 8	-
Use group C				
	600 V	20 A	20 - 8	-

 EAC Approval ID: RU C-DE.BL08.B.00682				
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 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	20 A	20 - 8	-
Use group C				
	600 V	20 A	20 - 8	-

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Classifications

ECLASS

ECLASS-11.0	27141126
ECLASS-12.0	27141126
ECLASS-13.0	27250304

ETIM

ETIM 9.0	EC000902
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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Accessories

FTPR-2/B14 - Test plug

3069488

<https://www.phoenixcontact.com/us/products/3069488>

Test plug, with twist grip, VDE coded type B14, nom. voltage: 400 V, nominal current: 24 A, number of positions: 14, Rated cross section: 2.5 mm², color: gray



FTP-2/B14 - Test plug

3069475

<https://www.phoenixcontact.com/us/products/3069475>

Test plug, A detailed circuit diagram can be found under Miscellaneous Downloads, VDE coded type B14, nom. voltage: 400 V, nominal current: 24 A, Rated cross section: 2.5 mm², color: gray



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FBP-2/B14 - Blind plug

3069501

<https://www.phoenixcontact.com/us/products/3069501>



Blind plug, VDE coded type B14, pitch: 8.2 mm, width: 146.7 mm, height: 81 mm, number of positions: 14, color: gray, mounting type: Insertion in base strip

AP-ME

METER - Cover profile

3034361

<https://www.phoenixcontact.com/us/products/3034361>



Cover profile, for covering terminal strips, snapped onto APT-ME cover profile carrier or APH-ME end bracket. A cover profile carrier should be positioned at the ends and at intervals of around 40 cm. Length supplied: 1 m

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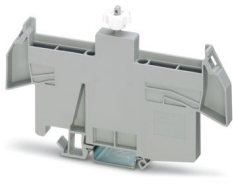


APH-ME - Cover profile carrier

3034374

<https://www.phoenixcontact.com/us/products/3034374>

Cover profile carrier, for mounting on NS 35/7,5 DIN rail, for fixing the AP-ME cover profile, can be sealed as an option



APT-ME - Cover profile carrier

3034358

<https://www.phoenixcontact.com/us/products/3034358>

Cover profile carrier for mounting on NS 35/7.5 DIN rail for attaching the cover profile AP-ME



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FTP-2/2 SERVICE - Test plug

3069464

<https://www.phoenixcontact.com/us/products/3069464>



Test plug, nom. voltage: 400 V, nominal current: 24 A, Rated cross section: 2.5 mm², color: red

FTP-2/3 SERVICE - Test plug

3069465

<https://www.phoenixcontact.com/us/products/3069465>



Test plug, nom. voltage: 400 V, nominal current: 24 A, Rated cross section: 2.5 mm², color: red

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FTP-2/1 SERVICE 0R1 - Test plug

3069466

<https://www.phoenixcontact.com/us/products/3069466>



Test plug, with integrated resistance of 100 mOhm, 3 W, nom. voltage: 400 V, nominal current: 1 A, Rated cross section: 2.5 mm², color: red

FTP-2/4 SERVICE - Test plug

3069468

<https://www.phoenixcontact.com/us/products/3069468>



Test plug, nom. voltage: 400 V, nominal current: 24 A, Rated cross section: 2.5 mm², color: red

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FTP-2/1 SERVICE - Test plug

3069469

<https://www.phoenixcontact.com/us/products/3069469>



Test plug, nom. voltage: 400 V, nominal current: 24 A, Rated cross section: 2.5 mm², color: red

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

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PAI-4-FIX BU - Test adapter

3032729

<https://www.phoenixcontact.com/us/products/3032729>



Test adapter, Touch proof against unintentional direct contact according to DIN EN 50274 when plugged in, for 4 mm test plug and terminal blocks with 8.2 mm pitch, number of positions: 1, color: blue

PAI-4-FIX OG - Test adapter

3034455

<https://www.phoenixcontact.com/us/products/3034455>



4 mm test adapter, for terminal blocks with 8.2 mm pitch

PTRE 6-2/B14 - Test terminal strip

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<https://www.phoenixcontact.com/us/products/3069453>



PAI-4-FIX YE - Test adapter

3032745

<https://www.phoenixcontact.com/us/products/3032745>



Test adapter, Touch proof against unintentional direct contact according to DIN EN 50274 when plugged in, for 4 mm test plug and terminal blocks with 8.2 mm pitch, number of positions: 1, color: yellow

PAI-4-FIX RD - Test adapter

3032732

<https://www.phoenixcontact.com/us/products/3032732>



Test adapter, Touch proof against unintentional direct contact according to DIN EN 50274 when plugged in, for 4 mm test plug and terminal blocks with 8.2 mm pitch, number of positions: 1, color: red

PTRE 6-2/B14 - Test terminal strip

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PAI-4-FIX GN - Test adapter

3032758

<https://www.phoenixcontact.com/us/products/3032758>



Test adapter, Touch proof against unintentional direct contact according to DIN EN 50274 when plugged in, for 4 mm test plug and terminal blocks with 8.2 mm pitch, number of positions: 1, color: green

PAI-4-FIX BK - Test adapter

3032774

<https://www.phoenixcontact.com/us/products/3032774>



Test adapter, Touch proof against unintentional direct contact according to DIN EN 50274 when plugged in, for 4 mm test plug and terminal blocks with 8.2 mm pitch, number of positions: 1, color: black

PTRE 6-2/B14 - Test terminal strip

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<https://www.phoenixcontact.com/us/products/3069453>



PAI-4-FIX GY - Test adapter

3032790

<https://www.phoenixcontact.com/us/products/3032790>



Test adapter, Touch proof against unintentional direct contact according to DIN EN 50274 when plugged in, for 4 mm test plug and terminal blocks with 8.2 mm pitch, number of positions: 1, color: gray

PAI-4-FIX VT - Test adapter

3032761

<https://www.phoenixcontact.com/us/products/3032761>



Test adapter, Touch proof against unintentional direct contact according to DIN EN 50274 when plugged in, for 4 mm test plug and terminal blocks with 8.2 mm pitch, number of positions: 1, color: violet

PTRE 6-2/B14 - Test terminal strip

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<https://www.phoenixcontact.com/us/products/3069453>



PAI-4-FIX BN - Test adapter

3032787

<https://www.phoenixcontact.com/us/products/3032787>



Test adapter, Touch proof against unintentional direct contact according to DIN EN 50274 when plugged in, for 4 mm test plug and terminal blocks with 8.2 mm pitch, number of positions: 1, color: brown

PAI-4-FIX WH - Test adapter

3032797

<https://www.phoenixcontact.com/us/products/3032797>



Test adapter, Touch proof against unintentional direct contact according to DIN EN 50274 when plugged in, for 4 mm test plug and terminal blocks with 8.2 mm pitch, number of positions: 1, color: white

PTRE 6-2/B14 - Test terminal strip

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PAIS-4-FIX GY - Test adapter

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Test adapter, Touch proof against unintentional direct contact according to DIN EN 50274 when plugged in, for 4 mm test plug and terminal blocks with 5.2 mm, 6.2 mm, and 8.2 mm pitch, number of positions: 1, color: gray

PAIS-4-FIX BK - Test adapter

3032792

<https://www.phoenixcontact.com/us/products/3032792>



Test adapter, Touch proof against unintentional direct contact according to DIN EN 50274 when plugged in, for 4 mm test plug and terminal blocks with 5.2 mm, 6.2 mm, and 8.2 mm pitch, number of positions: 1, color: black

PTRE 6-2/B14 - Test terminal strip

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PAIS-4-FIX RD - Test adapter

3032793

<https://www.phoenixcontact.com/us/products/3032793>



Test adapter, Do not plug in while the power is connected, for 4 mm test plug and terminal blocks with 5.2 mm, 6.2 mm, and 8.2 mm pitch, number of positions: 1, color: red

PAIS-4-FIX BU - Test adapter

3032798

<https://www.phoenixcontact.com/us/products/3032798>



Test adapter, Touch proof against unintentional direct contact according to DIN EN 50274 when plugged in, for 4 mm test plug and terminal blocks with 5.2 mm, 6.2 mm, and 8.2 mm pitch, number of positions: 1, color: blue

PTRE 6-2/B14 - Test terminal strip

3069453

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PAIS-4-FIX YE - Test adapter

3032799

<https://www.phoenixcontact.com/us/products/3032799>



Test adapter, Touch proof against unintentional direct contact according to DIN EN 50274 when plugged in, for 4 mm test plug and terminal blocks with 5.2 mm, 6.2 mm, and 8.2 mm pitch, number of positions: 1, color: yellow

PAIS-4-FIX GN - Test adapter

3032801

<https://www.phoenixcontact.com/us/products/3032801>



Test adapter, Touch proof against unintentional direct contact according to DIN EN 50274 when plugged in, for 4 mm test plug and terminal blocks with 5.2 mm, 6.2 mm, and 8.2 mm pitch, number of positions: 1, color: green

PTRE 6-2/B14 - Test terminal strip

3069453

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PAIS-4-FIX VT - Test adapter

3032802

<https://www.phoenixcontact.com/us/products/3032802>



Test adapter, Touch proof against unintentional direct contact according to DIN EN 50274 when plugged in, for 4 mm test plug and terminal blocks with 5.2 mm, 6.2 mm, and 8.2 mm pitch, number of positions: 1, color: violet

ZB 8:UNBEDRUCKT - Zack marker strip

1052002

<https://www.phoenixcontact.com/us/products/1052002>



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 8.2 mm, lettering field size: 10.5 x 8.15 mm, Number of individual labels: 10

PTRE 6-2/B14 - Test terminal strip

3069453

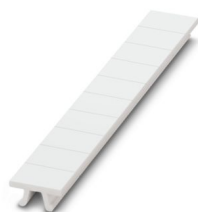
<https://www.phoenixcontact.com/us/products/3069453>



ZB 8 CUS - Zack marker strip

0825011

<https://www.phoenixcontact.com/us/products/0825011>



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, lettering field size: 10.5 x 8.15 mm, Number of individual labels: 10

UC-TM 8 - Marker for terminal blocks

0818072

<https://www.phoenixcontact.com/us/products/0818072>



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 10.5 mm, Number of individual labels: 56

PTRE 6-2/B14 - Test terminal strip

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UC-TM 8 CUS - Marker for terminal blocks

0824597

<https://www.phoenixcontact.com/us/products/0824597>



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, lettering field size: 7.6 x 10.5 mm, Number of individual labels: 56

UCT-TM 8 - Marker for terminal blocks

0828740

<https://www.phoenixcontact.com/us/products/0828740>



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: 7.6 x 10.5 mm, Number of individual labels: 42

PTRE 6-2/B14 - Test terminal strip

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UCT-TM 8 CUS - Marker for terminal blocks

0829616

<https://www.phoenixcontact.com/us/products/0829616>

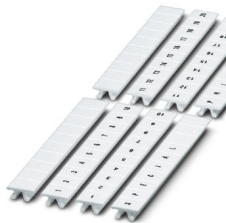


Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 8.2 mm, lettering field size: 7.6 x 10.5 mm, Number of individual labels: 42

ZB 8,LGS:FORTL.ZAHLEN - Zack marker strip

1052015

<https://www.phoenixcontact.com/us/products/1052015>



Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snapped, for terminal block width: 8.2 mm, lettering field size: 10.5 x 8.15 mm, Number of individual labels: 10

PTRE 6-2/B14 - Test terminal strip

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ZB 8,QR:FORTL.ZAHLEN - Zack marker strip

1052028

<https://www.phoenixcontact.com/us/products/1052028>

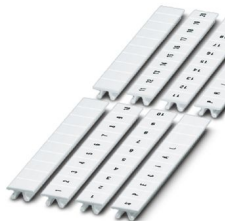


Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snapped, for terminal block width: 8.2 mm, lettering field size: 10.5 x 8.15 mm, Number of individual labels: 10

ZB 8,LGS:L1-N,PE - Marker for terminal blocks

1052413

<https://www.phoenixcontact.com/us/products/1052413>



Marker for terminal blocks, Strip, white, labeled, can be labeled with: CMS-P1-PLOTTER, horizontal: L1, L2, L3, N, PE, L1, L2, L3, N, PE, mounting type: snapped, for terminal block width: 8.2 mm, lettering field size: 10.5 x 8.15 mm, Number of individual labels: 10

PTRE 6-2/B14 - Test terminal strip



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TMT (EX9,5)R - Marker for terminal blocks

0828295

<https://www.phoenixcontact.com/us/products/0828295>



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 tall marker groove, for terminal block width: 30000 mm, lettering field size: 9.5 x 50000 mm, Number of individual labels: 1

US-TM 100 - Marker for terminal blocks

0829255

<https://www.phoenixcontact.com/us/products/0829255>



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, lettering field size: 104 x 9.8 mm, Number of individual labels: 13

PTRE 6-2/B14 - Test terminal strip

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SZF 2-0,8X4,0 - Screwdriver

1204520

<https://www.phoenixcontact.com/us/products/1204520>



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.8 x 4.0 x 100 mm, 2-component grip, with non-slip grip

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com