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UT 4/ 1P

Order No.: 3045583



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=3045583>

Screw terminal block, Type of connection: Pluggable screw terminal block, Screw connection, Cross section: 0.14 mm² - 6 mm², AWG 26 - 10, Width: 6.2 mm, Color: gray, Mounting type: NS 35/7.5, NS 35/15

Commercial data	
GTIN (EAN)	4046356083096
sales group	A870
Pack	50 pcs.
Customs tariff	85369010
Weight/Piece	0.009298 KG
Catalog page information	Page 240 (CL-2009)

Product notes

WEEE/RoHS-compliant since: 10/10/2005



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Technical data

General	
Number of levels	1
Number of connections	2
Color	gray

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Insulating material	PA
Inflammability class acc. to UL 94	V0
Bridge accessories	3030271 FBS 10-6 32 A

Dimensions

Width	6.2 mm
Length	47.6 mm
Height NS 35/7.5	47.5 mm
Height NS 35/15	55 mm

Technical data

Maximum load current	32 A (with 6 mm ² conductor cross section)
Rated surge voltage	8 kV
Pollution degree	3
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 61984
Nominal current I _N	32 A
Nominal voltage U _N	800 V
Open side panel	ja

Connection data

Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	6 mm ²
Conductor cross section stranded min.	0.14 mm ²
Conductor cross section stranded max.	6 mm ²
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	10
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.14 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	4 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.14 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	4 mm ²
2 conductors with same cross section, solid min.	0.14 mm ²
2 conductors with same cross section, solid max.	1.5 mm ²

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2 conductors with same cross section, stranded min.	0.14 mm ²
2 conductors with same cross section, stranded max.	1.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	2.5 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.14 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1.5 mm ²
Type of connection	Pluggable screw terminal block
Stripping length	9 mm
Internal cylindrical gage	A4
Screw thread	M3
Tightening torque, min	0.6 Nm
Tightening torque max	0.8 Nm

Certificates / Approvals



Certification CUL, UL

CUL

Nominal voltage U _N	600 V
Nominal current I _N	30 A
AWG/kcmil	26-10

UL

Nominal voltage U _N	600 V
Nominal current I _N	30 A
AWG/kcmil	26-10

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Accessories		
Item	Designation	Description
Assembly		
3047167	ATP-UT	Partition plate, Length: 50 mm, Width: 2 mm, Height: 48 mm, Color: gray
3022276	CLIPFIX 35-5	Snap-on end bracket, for NS 35/7.5 or NS 35/15 DIN rail, can be fitted with Zack strip ZB 5 and ZBF 5, terminal strip marker KLM 2 and KLM, parking facility for FBS...5, FBS...6, KSS 5, KSS 6, width: 5,15 mm, color: gray
3047154	D-UT 2,5/1P	End cover, Length: 47.6 mm, Width: 2.2 mm, Height: 48.4 mm, Color: gray
0801762	NS 35/ 7,5 CU UNPERF 2000MM	DIN rail, material: Copper, unperforated, height 7.5 mm, width 35 mm, length: 2 m
1207640	NS 35/ 7,5 PERF 755MM	NS 35 DIN rail, height 7.5 mm, length 755 mm
1207653	NS 35/ 7,5 PERF 955MM	NS35 DIN rail, height 7.5 mm, length 955 mm
1207666	NS 35/ 7,5 PERF 1155MM	NS 35 DIN rail, height 7.5 mm, length 1155 mm
0801733	NS 35/ 7,5 PERF 2000MM	DIN rail, material: Steel, galvanized and passivated with a thick layer, perforated, height 7.5 mm, width 35 mm, length: 2 m
0801681	NS 35/ 7,5 UNPERF 2000MM	DIN rail, material: Steel, unperforated, height 7.5 mm, width 35 mm, length: 2 m
1201756	NS 35/15 AL UNPERF 2000MM	DIN rail, deep-drawn, high profile, unperforated, 1.5 mm thick, material: Aluminum, height 15 mm, width 35 mm, length 2 m
1201895	NS 35/15 CU UNPERF 2000MM	DIN rail, material: Copper, unperforated, 1.5 mm thick, height 15 mm, width 35 mm, length: 2 m
1207679	NS 35/15 PERF 755MM	NS 35 DIN rail, perforated, height 15 mm, length 755 mm
1207682	NS 35/15 PERF 955MM	NS 35 DIN rail, perforated, height 15 mm, length 955 mm
1207695	NS 35/15 PERF 1155MM	NS 35 DIN rail, perforated, height 15 mm, length 1155 mm
1201730	NS 35/15 PERF 2000MM	DIN rail, material: Steel, perforated, height 15 mm, width 35 mm, length: 2 m
1201714	NS 35/15 UNPERF 2000MM	DIN rail, material: Steel, unperforated, height 15 mm, width 35 mm, length: 2 m
1201798	NS 35/15-2,3 UNPERF 2000MM	DIN rail, material: Steel, unperforated, 2.3 mm thick, height 15 mm, width 35 mm, length: 2 m
Bridges		
3030336	FBS 2-6	Plug-in bridge, Number of positions: 2, Color: red
3030242	FBS 3-6	Plug-in bridge, Number of positions: 3, Color: red
3030255	FBS 4-6	Plug-in bridge, Number of positions: 4, Color: red
3030349	FBS 5-6	Plug-in bridge, Number of positions: 5, Color: red
3030271	FBS 10-6	Plug-in bridge, Number of positions: 10, Color: red

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3030365	FBS 20-6	Plug-in bridge, Number of positions: 20, Color: red
3032224	FBS 50-6	Plug-in bridge, Number of positions: 50, Color: red

Marking

3040588	PC	Keying star, Length: 3 mm, Width: 3 mm, Height: 6 mm, Color: red
0811228	X-PEN 0,35	Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm
1051016	ZB 6,LGS:FORTL.ZAHLEN	Zack marker strip, 10-section, printed horizontally: with the numbers 1 - 10, 11 - 20 and so on up to 491 - 500, color: white
5060935	ZB 6/WH-100:UNBEDRUCKT	Zack strip, unprinted: For individual labeling with M-PEN, ZB-T or CMS system, large batch, sufficient for labeling 1000 terminal blocks, for a terminal width of 6.2 mm, color: White
1051003	ZB 6:UNBEDRUCKT	Zack strip, unprinted, strips with 10 labels for individual labeling with M-PEN or CMS system, for terminal block width: 6.2 mm, color: white

Plug/Adapter

0201689	MPS-IH BU	Insulating sleeve, Color: blue
0201676	MPS-IH RD	Insulating sleeve, Color: red
0201663	MPS-IH WH	Insulating sleeve, Color: white
0201744	MPS-MT	Test plugs
3030925	PAI-4	Test adapter, Color: gray
3030996	PS-6	Test adapter, Color: red

Tools

1205053	SZS 0,6X3,5	Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip
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Additional products

Item	Designation	Description
Plug/Adapter		
3060115	UP 4/ 1	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 1, Cross section: 0.2 mm ² - 6 mm ² , AWG 24 - 10, Width: 6.2 mm, Height: 41 mm, Color: gray
3060021	UP 4/ 1-L	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 1, Cross section: 0.2 mm ² - 6 mm ² , AWG 24 - 10, Width: 6.2 mm, Height: 41 mm, Color: gray
3060034	UP 4/ 1-L BU	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 1, Cross section: 0.2 mm ² - 6 mm ² , AWG 24 - 10, Width: 6.2 mm, Height: 41 mm, Color: blue

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3060047	UP 4/ 1-L GNYE	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 1, Cross section: 0.2 mm ² - 6 mm ² , AWG 24 - 10, Width: 6.2 mm, Height: 41 mm, Color: green-yellow
3060050	UP 4/ 1-M	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 1, Cross section: 0.2 mm ² - 6 mm ² , AWG 24 - 10, Width: 6.2 mm, Height: 41 mm, Color: gray
3060063	UP 4/ 1-M BU	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 1, Cross section: 0.2 mm ² - 6 mm ² , AWG 24 - 10, Width: 6.2 mm, Height: 41 mm, Color: blue
3060076	UP 4/ 1-M GNYE	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 1, Cross section: 0.2 mm ² - 6 mm ² , AWG 24 - 10, Width: 6.2 mm, Height: 41 mm, Color: green-yellow
3060089	UP 4/ 1-R	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 1, Cross section: 0.2 mm ² - 6 mm ² , AWG 24 - 10, Width: 6.2 mm, Height: 41 mm, Color: gray
3060092	UP 4/ 1-R BU	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 1, Cross section: 0.2 mm ² - 6 mm ² , AWG 24 - 10, Width: 6.2 mm, Height: 41 mm, Color: blue
3060102	UP 4/ 1-R GNYE	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 1, Cross section: 0.2 mm ² - 6 mm ² , AWG 24 - 10, Width: 6.2 mm, Height: 41 mm, Color: green-yellow
3060128	UP 4/ 2	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 2, Cross section: 0.2 mm ² - 6 mm ² , AWG 24 - 10, Width: 12.4 mm, Height: 41 mm, Color: gray
3060131	UP 4/ 3	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 3, Cross section: 0.2 mm ² - 6 mm ² , AWG 24 - 10, Width: 18.6 mm, Height: 41 mm, Color: gray
3060144	UP 4/ 4	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 4, Cross section: 0.2 mm ² - 6 mm ² , AWG 24 - 10, Width: 24.8 mm, Height: 41 mm, Color: gray
3060157	UP 4/ 5	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 5, Cross section: 0.2 mm ² - 6 mm ² , AWG 24 - 10, Width: 31 mm, Height: 41 mm, Color: gray
3060160	UP 4/ 6	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 6, Cross section: 0.2 mm ² - 6 mm ² , AWG 24 - 10, Width: 37.2 mm, Height: 41 mm, Color: gray
3060173	UP 4/ 7	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 7, Cross section: 0.2 mm ² - 6 mm ² , AWG 24 - 10, Width: 43.4 mm, Height: 41 mm, Color: gray
3060186	UP 4/ 8	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 8, Cross section: 0.2 mm ² - 6 mm ² , AWG 24 - 10, Width: 49.6 mm, Height: 41 mm, Color: gray
3060199	UP 4/ 9	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 9, Cross section: 0.2 mm ² - 6 mm ² , AWG 24 - 10, Width: 55.8 mm, Height: 41 mm, Color: gray

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3060209	UP 4/10	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 10, Cross section: 0.2 mm ² - 6 mm ² , AWG 24 - 10, Width: 62 mm, Height: 41 mm, Color: gray
3060212	UP 4/11	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 11, Cross section: 0.2 mm ² - 6 mm ² , AWG 24 - 10, Width: 68.2 mm, Height: 41 mm, Color: gray
3060225	UP 4/12	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 12, Cross section: 0.2 mm ² - 6 mm ² , AWG 24 - 10, Width: 74.4 mm, Height: 41 mm, Color: gray
3060238	UP 4/13	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 13, Cross section: 0.2 mm ² - 6 mm ² , AWG 24 - 10, Width: 80.6 mm, Height: 41 mm, Color: gray
3060241	UP 4/14	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 14, Cross section: 0.2 mm ² - 6 mm ² , AWG 24 - 10, Width: 86.8 mm, Height: 41 mm, Color: gray
3060254	UP 4/15	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 15, Cross section: 0.2 mm ² - 6 mm ² , AWG 24 - 10, Width: 93 mm, Height: 41 mm, Color: gray
3045800	UPBV 4/ 1	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 1, Cross section: 0.14 mm ² - 6 mm ² , AWG 26 - 10, Width: 6.2 mm, Height: 47 mm, Color: gray
3045716	UPBV 4/ 1-L	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 1, Cross section: 0.14 mm ² - 6 mm ² , AWG 26 - 10, Width: 6.2 mm, Height: 47 mm, Color: gray
3045729	UPBV 4/ 1-L BU	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 1, Cross section: 0.14 mm ² - 6 mm ² , AWG 26 - 10, Width: 6.2 mm, Height: 47 mm, Color: blue
3045732	UPBV 4/ 1-L GNYE	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 1, Cross section: 0.14 mm ² - 6 mm ² , AWG 26 - 10, Width: 6.2 mm, Height: 47 mm, Color: green-yellow
3045745	UPBV 4/ 1-M	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 1, Cross section: 0.14 mm ² - 6 mm ² , AWG 26 - 10, Width: 6.2 mm, Height: 47 mm, Color: gray
3045758	UPBV 4/ 1-M BU	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 1, Cross section: 0.14 mm ² - 6 mm ² , AWG 26 - 10, Width: 6.2 mm, Height: 47 mm, Color: blue
3045761	UPBV 4/ 1-M GNYE	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 1, Cross section: 0.14 mm ² - 6 mm ² , AWG 26 - 10, Width: 6.2 mm, Height: 47 mm, Color: green-yellow
3045774	UPBV 4/ 1-R	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 1, Cross section: 0.14 mm ² - 6 mm ² , AWG 26 - 10, Width: 6.2 mm, Height: 47 mm, Color: gray
3045787	UPBV 4/ 1-R BU	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 1, Cross section: 0.14 mm ² - 6 mm ² , AWG 26 - 10, Width: 6.2 mm, Height: 47 mm, Color: blue

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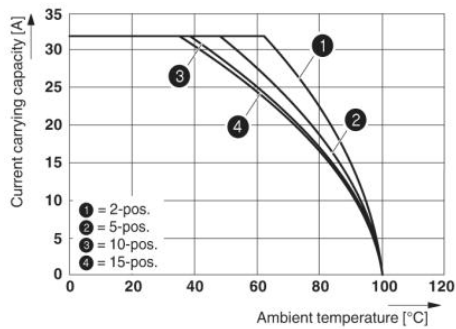
3045790	UPBV 4/ 1-R GNYE	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 1, Cross section: 0.14 mm ² - 6 mm ² , AWG 26 - 10, Width: 6.2 mm, Height: 47 mm, Color: green-yellow
3045813	UPBV 4/ 2	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 2, Cross section: 0.14 mm ² - 6 mm ² , AWG 26 - 10, Width: 12.4 mm, Height: 47 mm, Color: gray
3045826	UPBV 4/ 3	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 3, Cross section: 0.14 mm ² - 6 mm ² , AWG 26 - 10, Width: 18.6 mm, Height: 47 mm, Color: gray
3045839	UPBV 4/ 4	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 4, Cross section: 0.14 mm ² - 6 mm ² , AWG 26 - 10, Width: 24.8 mm, Height: 47 mm, Color: gray
3045842	UPBV 4/ 5	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 5, Cross section: 0.14 mm ² - 6 mm ² , AWG 26 - 10, Width: 31 mm, Height: 47 mm, Color: gray
3045855	UPBV 4/ 6	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 6, Cross section: 0.14 mm ² - 6 mm ² , AWG 26 - 10, Width: 37.2 mm, Height: 47 mm, Color: gray
3045868	UPBV 4/ 7	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 7, Cross section: 0.14 mm ² - 6 mm ² , AWG 26 - 10, Width: 43.4 mm, Height: 47 mm, Color: gray
3045871	UPBV 4/ 8	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 8, Cross section: 0.14 mm ² - 6 mm ² , AWG 26 - 10, Width: 49.6 mm, Height: 47 mm, Color: gray
3045884	UPBV 4/ 9	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 9, Cross section: 0.14 mm ² - 6 mm ² , AWG 26 - 10, Width: 55.8 mm, Height: 47 mm, Color: gray
3045897	UPBV 4/10	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 10, Cross section: 0.14 mm ² - 6 mm ² , AWG 26 - 10, Width: 62 mm, Height: 47 mm, Color: gray
3045907	UPBV 4/11	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 11, Cross section: 0.14 mm ² - 6 mm ² , AWG 26 - 10, Width: 68.2 mm, Height: 47 mm, Color: gray
3045910	UPBV 4/12	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 12, Cross section: 0.14 mm ² - 6 mm ² , AWG 26 - 10, Width: 74.4 mm, Height: 47 mm, Color: gray
3045923	UPBV 4/13	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 13, Cross section: 0.14 mm ² - 6 mm ² , AWG 26 - 10, Width: 80.6 mm, Height: 47 mm, Color: gray
3045936	UPBV 4/14	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 14, Cross section: 0.14 mm ² - 6 mm ² , AWG 26 - 10, Width: 86.8 mm, Height: 47 mm, Color: gray
3045949	UPBV 4/15	Connectors, Type of connection: Screw connection, Screw connection, Number of positions: 15, Cross section: 0.14 mm ² - 6 mm ² , AWG 26 - 10, Width: 93 mm, Height: 47 mm, Color: gray

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Diagrams/Drawings

Diagram



The figure shows the derating curve of the UT 4/1P... terminal block in connection with the UPVB 4 connector

Circuit diagram



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Address

PHOENIX CONTACT Inc., USA
586 Fulling Mill Road
Middletown, PA 17057, USA
Phone (800) 888-7388
Fax (717) 944-1625
<http://www.phoenixcon.com>



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