Feed-through terminal block - PTMED 4 - 3212141

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's documentation. Our General Terms of Use for Downloads are valid (http://download.phoenixcontact.com)

Feed-through terminal block, Connection method: Push-in connection, Cross section: 0.2 mm² - 6 mm², AWG: 24 - 10, Width: 6.2 mm, Color: gray, Mounting type: NS 35/7.5, NS 35/15

Why buy this product

- Feed-through terminal blocks of the same shape are available
- Easy operation
- Clear
- Clear selection thanks to printed switching symbols
- Compact design
- Flexible and comprehensive accessories
- Reliably snapped into the end positions
- Contact made via screw terminal points

Key commercial data

Packing unit	0
Minimum order quantity	50
Catalog page	Page 115 (CL1-2011)
GTIN	4 046356 512732
Custom tariff number	85369010
Country of origin	POLAND

Technical data

General

Number of levels	1
Number of connections	2
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V0

Dimensions

Width	6.2 mm

Feed-through terminal block - PTMED 4 - 3212141

Technical data

Dimensions

Length	70.5 mm
Height NS 35/7,5	49.5 mm
Height NS 35/15	57 mm

Technical data

Rated surge voltage	6 kV
Pollution degree	3
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 60947-7-1
Nominal current I_N	32 A
Nominal voltage U_N	500 V
Open side panel	ja
Shock protection test specification	DIN EN 50274 (VDE 0660-514):2002-11
Back of the hand protection	guaranteed
Finger protection	guaranteed
Surge voltage test setpoint	7.3 kV
Result of surge voltage test	Test passed
Power frequency withstand voltage setpoint	1.89 kV
Result of power-frequency withstand voltage test	Test passed
Checking the mechanical stability of terminal points (5 x conductor connection)	Test passed
Bending test conductor cross section/weight	0.2 mm² / 0.2 kg
Bending test conductor cross section/weight	4 mm² / 0.9 kg
Bending test conductor cross section/weight	6 mm^2 / 1.4 kg
Result of bending test	Test passed
Conductor cross section tensile test	0.2 mm²
Tractive force setpoint	10 N
Conductor cross section tensile test	4 mm²
Tractive force setpoint	60 N
Conductor cross section tensile test	6 mm²
Tractive force setpoint	80 N
Tensile test result	Test passed
Tight fit on carrier	NS 35
Setpoint	1 N
Result of tight fit test	Test passed
Requirements, voltage drop	≤ 3.2 mV
Result of voltage drop test	Test passed
Temperature-rise test	Test passed
Conductor cross section short circuit testing	4 mm²
Short-time current	0.5 kA
Conductor cross section short circuit testing	4 mm²
Short-time current	0.15 kA

Feed-through terminal block - PTMED 4 - 3212141

Technical data

Technical data

Conductor cross section short circuit testing	4 mm²
Short-time current	1.25 kA
Short circuit stability result	Test passed
Ageing test for screwless modular terminal block temperature cycles	192
Result of aging test	Test passed
Proof of thermal characteristics (needle flame) effective duration	30 s
Result of thermal test	Test passed
Test specification, oscillation, broadband noise	DIN EN 50155 (VDE 0115-200):2008-03
Test spectrum	Service life test category 1, class B, on vehicle body
Test frequency	f_1 = 5 Hz to f_2 = 150 Hz
ASD level	1.857 $(m/s^2)^2$/Hz
Acceleration	0.8 g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Oscillation, broadband noise test result	Test passed
Test specification, shock test	DIN EN 50155 (VDE 0115-200):2008-03
Shock form	Half-sine
Acceleration	5 g
Shock duration	30 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Shock test result	Test passed
Temperature index, insulating material (DIN EN 60216-1 (VDE 0304-21))	130 °C
Static insulating material application in cold	-60 °C

Connection data

Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	6 mm²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	10
Conductor cross section stranded min.	0.2 mm²
Conductor cross section stranded max.	4 mm²
Min. AWG conductor cross section, stranded	24
Max. AWG conductor cross section, stranded	12
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 mm²
Conductor cross section stranded, with ferrule without plastic sleeve max.	4 mm²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.25 mm²
Conductor cross section stranded, with ferrule with plastic sleeve max.	4 mm²

Feed-through terminal block - PTMED 4 - 3212141

Technical data

Connection data

2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1 mm²
Connection method	Push-in connection
Stripping length	12 mm
Internal cylindrical gage	A4

Classifications

ETIM

ETIM 3.0	EC000313
ETIM 4.0	EC000897
ETIM 5.0	EC000897

UNSPSC

UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410
UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410

eCl@ss

eCl@ss 4.0	27141120
eCl@ss 4.1	27141120
eCl@ss 5.0	27141120
eCl@ss 5.1	27141120
eCl@ss 6.0	27141120
eCl@ss 7.0	27141120

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / CSA / cULus Recognized

Ex Approvals

Approvals submitted

Feed-through terminal block - PTMED 4 - 3212141

Approvals

Approval details

UL Recognized

	B	C
mm²/AWG/kcmil	24-10	24-10
Nominal current IN	26 A	26 A
Nominal voltage UN	300 V	300 V

cUL Recognized

	B	C
mm²/AWG/kcmil	24-10	24-10
Nominal current IN	26 A	26 A
Nominal voltage UN	300 V	300 V

CSA

	B	C
mm²/AWG/kcmil	24-10	24-10
Nominal current IN	26 A	26 A
Nominal voltage UN	300 V	300 V

cULus Recognized

Accessories

Accessories

Assembly

Cover profile - AP-ME METER - 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

Feed-through terminal block - PTMED 4 - 3212141

Accessories

Cover profile - APH-ME - 3034374

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

Cover profile - APT-ME - 3034358

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

DIN rail perforated - NS 35/ 7,5 PERF 2000MM - 0801733

DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 7.5 mm, width 35 mm, length: 2000 mm

DIN rail - NS 35/ 7,5 UNPERF 2000MM - 0801681

DIN rail, material: Steel, unperforated, height 7.5 mm, width 35 mm, length: 2 m

DIN rail - NS 35/ 7,5 WH PERF 2000MM - 1204119

DIN rail 35 mm (NS 35)

DIN rail - NS 35/ 7,5 WH UNPERF 2000MM - 1204122

DIN rail 35 mm (NS 35)

DIN rail - NS 35/ 7,5 AL UNPERF 2000MM - 0801704

Feed-through terminal block - PTMED 4 - 3212141

Accessories

DIN rail, material: Aluminum, unperforated, height 7.5 mm, width 35 mm, length: 2 m

---

DIN rail - NS 35/ 7,5 ZN PERF 2000MM - 1206421

DIN rail, material: Galvanized, perforated, height 7.5 mm, width 35 mm, length: 2 m

---

DIN rail - NS 35/ 7,5 ZN UNPERF 2000MM - 1206434

DIN rail, material: Galvanized, unperforated, height 7.5 mm, width 35 mm, length: 2 m

---

DIN rail - NS 35/ 7,5 CU UNPERF 2000MM - 0801762

DIN rail, material: Copper, unperforated, height 7.5 mm, width 35 mm, length: 2 m

---

End cap - NS 35/ 7,5 CAP - 1206560

DIN rail end piece, for DIN rail NS 35/7.5

DIN rail perforated - NS 35/15 PERF 2000MM - 1201730

DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 15 mm, width 35 mm, length: 2000 mm

---

DIN rail - NS 35/15 UNPERF 2000MM - 1201714

DIN rail, material: Steel, unperforated, height 15 mm, width 35 mm, length: 2 m

---

Feed-through terminal block - PTMED 4 - 3212141

Accessories

DIN rail - NS 35/15 WH PERF 2000MM - 0806602

DIN rail 35 mm (NS 35)

DIN rail - NS 35/15 WH UNPERF 2000MM - 1204135

DIN rail 35 mm (NS 35)

DIN rail, unperforated - NS 35/15 AL UNPERF 2000MM - 1201756

DIN rail, deep drawn, high profile, unperforated, 1.5 mm thick, material: aluminum, height 15 mm, width 35 mm, length 2000 mm

DIN rail - NS 35/15 ZN PERF 2000MM - 1206599

DIN rail, material: Galvanized, perforated, height 15 mm, width 35 mm, length: 2 m

DIN rail - NS 35/15 ZN UNPERF 2000MM - 1206586

DIN rail, material: Galvanized, unperforated, height 15 mm, width 35 mm, length: 2 m

DIN rail - NS 35/15 CU UNPERF 2000MM - 1201895

DIN rail, material: Copper, unperforated, 1.5 mm thick, height 15 mm, width 35 mm, length: 2 m

Feed-through terminal block - PTMED 4 - 3212141

Accessories

End cap - NS 35/15 CAP - 1206573

DIN rail end piece, for DIN rail NS 35/15

DIN rail - NS 35/15-2,3 UNPERF 2000MM - 1201798

DIN rail, material: Steel, unperforated, 2.3 mm thick, height 15 mm, width 35 mm, length: 2 m

---

Spacer plate - DP PS-6 - 3036738

Spacer plate, Color: red

End clamp - CLIPFIX 35 - 3022218

Snap-on end bracket, for 35 mm NS 35/7.5 or NS 35/15 DIN rail, can be fitted with Zack strip ZB 8 and ZB 8/27, terminal strip marker KLM 2 and KLM, width: 9.5 mm, color: gray

---

End clamp - CLIPFIX 35-5 - 3022276

Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, can be fitted with ZB 5 and ZBF 5 zack marker strip, KLM 2, KLM3, and KML3L terminal strip marker, parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5.15 mm, color: gray

---

Bridges

Feed-through terminal block - PTMED 4 - 3212141

Accessories

Plug-in bridge - FBS 20-6 - 3030365

Plug-in bridge, Number of positions: 20, Color: red

Plug-in bridge - FBS 10-6 - 3030271

Plug-in bridge, Number of positions: 10, Color: red

Plug-in bridge - FBS 5-6 - 3030349

Plug-in bridge, Number of positions: 5, Color: red

Plug-in bridge - FBS 4-6 - 3030255

Plug-in bridge, Number of positions: 4, Color: red

Plug-in bridge - FBS 3-6 - 3030242

Plug-in bridge, Number of positions: 3, Color: red

Plug-in bridge - FBS 2-6 - 3030336

Plug-in bridge, Number of positions: 2, Color: red

Feed-through terminal block - PTMED 4 - 3212141

Accessories

Plug-in bridge - FBS 50-6 - 3032224

Plug-in bridge, Number of positions: 50, Color: red

Switching jumper - SB-ME 2-6 - 3035755

Switching jumper, Length: 21.2 mm, Width: 12.3 mm, Height: 36.4 mm, Number of positions: 2, Color: gray/orange

Switching jumper - SB-ME 3-6 - 3035756

Switching jumper, Length: 21.2 mm, Width: 18.5 mm, Height: 36.4 mm, Number of positions: 3, Color: gray/orange

Switching jumper - SB-ME 4-6 - 3035757

Switching jumper, Length: 21.2 mm, Width: 24.7 mm, Height: 36.4 mm, Number of positions: 4, Color: gray/orange

Covers

End cover - D-PTME 4 - 3212167

End cover, Length: 70.6 mm, Width: 2.2 mm, Height: 39.7 mm, Color: gray

Marking

Feed-through terminal block - PTMED 4 - 3212141

Accessories

Group marker label for terminal marking - GBS 5-25X12 - 0810588

Group marker label, snaps onto terminal center for screw, spring-cage and quick connection terminal blocks, labeled with a 25 x 12 mm label or manually with the B-STIFT, in the foot part with ZB 5

Group marker label for terminal marking - GBS-ZB/26X6 - 0809298

Group marking label, snaps onto terminal center for screw, spring-cage and quick connection terminal blocks, labeled with ESL 26x6 mm or EST 25x6 mm, in the foot part with Zack marker strip, length: 29 mm

---

Zack marker strip - ZB 6:UNBEDRUCKT - 1051003

Zack marker strip, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into tall marker groove, For terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

---

Zack marker strip - ZB 6 CUS - 0824992

Zack marker strip, Can be ordered: Strip, white, Labeled according to customer specifications, Mounting type: Snap into tall marker groove, For terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

---

Marker for terminal blocks - UC-TM 6 - 0818085

Marker for terminal blocks, Sheet, white, Unlabeled, Can be labeled with: BLUEMARK CLED, Bluemark, Plotter, Mounting type: Snap into tall marker groove, For terminal block width: 6.2 mm, Lettering field: 5.6 x 10.5 mm

---

Marker for terminal blocks - UC-TM 6 CUS - 0824589

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: 6.2 mm, Lettering field: 5.6 x 10.5 mm

Feed-through terminal block - PTMED 4 - 3212141

Accessories

End clamp - E/NS 35 N - 0800886

End clamp, width: 9.5 mm, color: gray

Drawings

Circuit diagram

© Phoenix Contact 2012 - all rights reserved
http://www.phoenixcontact.com