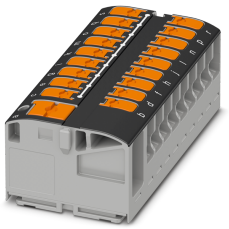
Distribution block - PTVFIX 6/18X2,5 BK - 1019651

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://phoenixcontact.com/download)



Distribution block, nom. voltage: 450 V, nominal current: 24 A, connection method: Push-in connection, Load contact, Rated cross section: 2.5 mm², cross section: 0.14 mm² - 4 mm², Line contact, Rated cross section: 6 mm², cross section: 0.5 mm² - 10 mm², mounting type: for snapping onto a DIN rail adapter, Direct mounting with flange, Free-hanging, color: black

Your advantages

- Flexible use, thanks to DIN rail mounting, direct mounting or adhesive mounting
- Clear wiring, thanks to eleven different color variants
- Time-saving conductor connection, thanks to tool-free Push-in direct connection technology
- Time savings of up to 80%, thanks to ready-to-mount blocks without manual bridging
- Space savings of up to 50% on the DIN rail, thanks to transverse mounting

RoHS

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	20 pc
GTIN	4 055626 507309
GTIN	4055626507309
Custom tariff number	85369010
Country of origin	Poland

Technical data

General

Number of positions	1
Number of rows	1
Number of connections	19
Nominal cross section	2.5 mm²
Color	black

Distribution block - PTVFIX 6/18X2,5 BK - 1019651

Technical data

General

Insulating material	PA
Flammability rating according to UL 94	V0
Mounting type	for snapping onto a DIN rail adapter
Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Maximum power dissipation for nominal condition	0.77 W
Maximum load current	32 A (with 4 mm² conductor cross section)
Maximum total current	57 A (with 10 mm² conductor cross section)
Nominal current I_N	24 A
Nominal voltage U_N	450 V
Maximum load current	57 A (with 10 mm² conductor cross section)
Nominal current I_N	41 A (with 6 mm² conductor cross section)
Open side panel	No

Dimensions

Width	56.9 mm
Length	28.6 mm
Height	21.7 mm

Connection data

Connection	Load contact
Connection method	Push-in connection
Stripping length	8 mm ... 10 mm
Connection in acc. with standard	IEC 60998-2-2
Conductor cross section solid min.	0.14 mm²
Conductor cross section solid max.	4 mm²
Conductor cross section AWG min.	26
Conductor cross section AWG max.	12
Conductor cross section flexible min.	0.14 mm²
Conductor cross section flexible max.	2.5 mm²
Min. AWG conductor cross section, flexible	26
Max. AWG conductor cross section, flexible	14
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.14 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.14 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm²

Distribution block - PTVFIX 6/18X2,5 BK - 1019651

Technical data

Connection data

Connection cross sections directly pluggable	0.34 mm² 4 mm² 22 18
Conductor cross section solid min.	0.34 mm²
Conductor cross section solid max.	4 mm²
Conductor cross section AWG min.	22
Conductor cross section AWG max.	18
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	2.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.34 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm²
Internal cylindrical gage	A3
	B3
Connection	Line contact
Stripping length	10 mm ... 12 mm
Conductor cross section solid min.	0.5 mm²
Conductor cross section solid max.	10 mm²
Conductor cross section AWG min.	20
Conductor cross section AWG max.	8
Conductor cross section flexible min.	0.5 mm²
Conductor cross section flexible max.	6 mm²
Min. AWG conductor cross section, flexible	20
Max. AWG conductor cross section, flexible	10
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	6 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	6 mm²
Connection cross sections directly pluggable	1 mm² 10 mm² 18 8
Conductor cross section solid min.	1 mm²
Conductor cross section solid max.	10 mm²
Value	1 mm²
	6 mm²
	1 mm²
	6 mm²
Internal cylindrical gage	A5
	B4

Ambient conditions

Operating temperature	-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)

Distribution block - PTVFIX 6/18X2,5 BK - 1019651

Technical data

Ambient conditions

Permissible humidity (storage/transport)	30 % ... 70 %
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C

Standards and Regulations

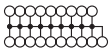
Connection in acc. with standard	IEC 60998-2-2

Environmental Product Compliance

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

Drawings

Circuit diagram



Classifications

eCl@ss

eCl@ss 11.0	27141120
eCl@ss 4.0	27141121
eCl@ss 4.1	27141121
eCl@ss 5.0	27141120
eCl@ss 5.1	27141120
eCl@ss 6.0	27141100
eCl@ss 7.0	27141120

ETIM

ETIM 3.0	EC000897
ETIM 4.0	EC000897
ETIM 6.0	EC000897
ETIM 7.0	EC000897

UNSPSC

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

Distribution block - PTVFIX 6/18X2,5 BK - 1019651

Classifications

UNSPSC

UNSPSC 13.2	39121410
UNSPSC 18.0	39121410
UNSPSC 19.0	39121410
UNSPSC 20.0	39121410
UNSPSC 21.0	39121410

Approvals

Approvals

Approvals

CSA / cULus Recognized

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	158887

	B	C	D
Nominal voltage UN	300 V	300 V	600 V
Nominal current IN	40 A	40 A	5 A
mm²/AWG/kcmil	20-8	20-8	20-8

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425

	B	C	D
Nominal voltage UN	300 V	300 V	600 V
Nominal current IN	40 A	40 A	5 A
mm²/AWG/kcmil	20-8	20-8	20-8

Accessories

Accessories

Jumper

Distribution block - PTVFIX 6/18X2,5 BK - 1019651

Accessories

Plug-in bridge - FBS 2-5 - 3030161



Plug-in bridge, pitch: 5.2 mm, color: red

Plug-in bridge - FBS 2-5 GN - 3032143



Plug-in bridge, pitch: 5.2 mm, color: green

Plug-in bridge - FBS 2-5 BU - 3036877



Plug-in bridge, pitch: 5.2 mm, color: blue

Plug-in bridge - FBS 2-5 GY - 3038969



Plug-in bridge, pitch: 5.2 mm, color: gray

Labeled terminal marker

Marker card - SK 2,8 REEL P5,2 WH CUS - 8199986



Marker card, can be ordered: by card, white, labeled according to customer specifications, mounting type: adhesive, for terminal block width: 5.2 mm, lettering field size: continuous x 2.8 mm

Distribution block - PTVFIX 6/18X2,5 BK - 1019651

Accessories

Marker card - SK 3,8 REEL P5,2 WH CUS - 8199989



Marker card, can be ordered: by card, white, labeled according to customer specifications, mounting type: adhesive, for terminal block width: 5.2 mm, lettering field size: continuous x 3.8 mm

Mounting material

DIN rail adapter - PTFIX-NS35 - 3274054



DIN rail adapter, length: 58.1 mm, width: 28.6 mm, height: 11 mm, color: gray

DIN rail adapter - PTFIX-NS35A - 3274056



DIN rail adapter, length: 45.7 mm, width: 10.3 mm, height: 11.9 mm, color: gray

DIN rail adapter - PTFIX-NS35A-FIX - 3274057



DIN rail adapter, with end stop function, length: 45.7 mm, width: 10.3 mm, height: 12 mm, color: gray

DIN rail adapter - PTFIX-NS15A - 3274058



DIN rail adapter, length: 28.6 mm, width: 10.3 mm, height: 10.8 mm, color: gray

Distribution block - PTVFIX 6/18X2,5 BK - 1019651

Accessories

DIN rail adapter - PTFIX-NS15A-FIX - 3274059



DIN rail adapter, with end stop function, length: 28.6 mm, width: 10.3 mm, height: 10.8 mm, color: gray

Flange - PTFIX-F - 3274060



Flange, with screw-on fixing, length: 28.6 mm, width: 8.6 mm, height: 21.7 mm, color: gray

Terminal marking

Marking foil for zack marker strip - TML (EX3,8)R - 0801837



Marking foil for zack marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, for terminal block width: 30000 mm, lettering field size: 30000 x 3.8 mm, Number of individual labels: 1

Marking foil for zack marker strip - TML (104X3,8)R - 0801833



Marking foil for zack marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, for terminal block width: 104 mm, lettering field size: 104 x 3.8 mm, Number of individual labels: 2500

Marking foil for zack marker strip - TML (104X2,8)R - 0801832



Marking foil for zack marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, for terminal block width: 104 mm, lettering field size: 104 x 2.8 mm, Number of individual labels: 2500

Distribution block - PTVFIX 6/18X2,5 BK - 1019651

Accessories

Marking foil for zack marker strip - TML (EX2,8)R - 0801836



Marking foil for zack marker strip, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, for terminal block width: 30000 mm, lettering field size: 30000 x 2.8 mm, Number of individual labels: 1

Marker for terminal blocks - US-TML (104X3,8) - 0830768



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: adhesive, lettering field size: 104 x 3.8 mm, Number of individual labels: 22

Marker for terminal blocks - US-TML (104X2,8) - 0830767



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: adhesive, lettering field size: 104 x 2.8 mm, Number of individual labels: 26

Marker card - SK U/3,8 WH:UNBEDRUCKT - 0803906



Marker card, Sheet, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, Office printing systems, mounting type: adhesive, for terminal block width: 210 mm, lettering field size: 186 x 3.8 mm, Number of individual labels: 1440

Marker card - SK U/2,8 WH:UNBEDRUCKT - 0803883



Marker card, Sheet, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, Office printing systems, mounting type: adhesive, for terminal block width: 210 mm, lettering field size: 186 x 2.8 mm, Number of individual labels: 3600

Distribution block - PTVFIX 6/18X2,5 BK - 1019651

Accessories

Label - MM-TML (EX3,8)R C1 WH/BK - 1092026



Label, Roll, white, unlabeled, can be labeled with: THERMOFOX, THERMOMARK GO, THERMOMARK GO.K, mounting type: adhesive, for terminal block width: 8000 mm, lettering field size: continuous x 2.8 mm

Phoenix Contact 2022 © - all rights reserved
http://www.phoenixcontact.com