

Feed-through terminal block - ST 2,5-QUATTRO/2P - 3040038

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Feed-through terminal block, Connection method: Spring-cage/plug-in connection, Cross section: 0.08 mm² - 4 mm², AWG: 28 - 12, Width: 5.2 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/15

Product Features

- Tested for railway applications
- The plug-in ST-COMBI spring-cage terminal block series combines the system advantages of the ST standard terminal block series with those of the COMBI plug-in system

Key commercial data

package_quantity	50
GTIN	4017918832636

Technical data

General

Number of levels	1
Number of connections	4
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V0
Area of application	Railway industry
Area of application	Mechanical engineering
Area of application	Plant engineering

General

Maximum load current	24 A (with 4 mm ² conductor cross section)
Rated surge voltage	6 kV
Pollution degree	3
Surge voltage category	III
Insulating material group	I
Connection in acc. with standard	IEC 61984
Nominal current I _N	24 A
Nominal voltage U _N	500 V
Open side panel	ja
Insertion/withdrawal cycles mechanical	100
Surge voltage test setpoint	7.3 kV

Feed-through terminal block - ST 2,5-QUATTRO/2P - 3040038

Technical data

General

Result of surge voltage test	Test passed
Tight fit on carrier	NS 35
Setpoint	1 N
Result of tight fit test	Test passed
Conductor cross section short circuit testing	2.5 mm ²
Short-time current	0.3 kA
Conductor cross section short circuit testing	4 mm ²
Short-time current	0.48 kA
Short circuit stability result	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, body mounted
Test frequency	f ₁ = 5 Hz to f ₂ = 150 Hz
ASD level	0.02 g 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

Dimensions

Width	5.2 mm
Length	81 mm
Height NS 35/7,5	36.5 mm
Height NS 35/15	44 mm

Connection data

Conductor cross section solid min.	0.08 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section AWG/kcmil min.	28
Conductor cross section AWG/kcmil max	12
Conductor cross section stranded min.	0.08 mm ²

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Technical data

Connection data

Conductor cross section stranded max.	2.5 mm ²
Min. AWG conductor cross section, stranded	28
Max. AWG conductor cross section, stranded	14
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.14 mm ²
Conductor cross section stranded, with ferrule without plastic sleeve max.	2.5 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.	2.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	0.5 mm ²
Connection method	Spring-cage/plug-in connection
Minimum stripping length	8 mm
Maximum stripping length	10 mm
Internal cylindrical gage	A3

classifications

eCl@ss

eCl@ss 4.0	27141117
eCl@ss 4.1	27141117
eCl@ss 5.0	27141120
eCl@ss 5.1	27141120
eCl@ss 6.0	27141120
eCl@ss 7.0	27141120
eCl@ss 8.0	27141120

ETIM

ETIM 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	EC000897
ETIM 5.0	EC000897

UNSPSC

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

Feed-through terminal block - ST 2,5-QUATTRO/2P - 3040038

approvals

CSA / UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / GOST / LR / GL / BV / DNV / RS / IECCEB CB Scheme / GOST / CSA / cULus Recognized /

Approval details

CSA

Usegroups	B	C
Nominal voltage UN	300 V	300 V
Nominal current IN	20 A	20 A
mm ² /AWG/kcmil	24-12	24-12

UL Recognized

Usegroups	B	C	D
Nominal voltage UN	300 V	300 V	600 V
Nominal current IN	20 A	20 A	5 A
mm ² /AWG/kcmil	28-12	28-12	28-12

VDE Gutachten mit Fertigungsüberwachung

Nominal voltage UN	500 V
Nominal current IN	
mm ² /AWG/kcmil	0.2-4

cUL Recognized

Usegroups	B	C	D
Nominal voltage UN	300 V	300 V	600 V
Nominal current IN	20 A	20 A	5 A
mm ² /AWG/kcmil	28-12	28-12	28-12

GOST

LR

Feed-through terminal block - ST 2,5-QUATTRO/2P - 3040038

approvals

GL

BV

DNV

RS

IECEE CB Scheme

Nominal voltage UN	500 V
Nominal current IN	
mm ² /AWG/kcmil	0.2-4



Usegroups	B	C
Nominal voltage UN	300 V	300 V
Nominal current IN	20 A	20 A
mm ² /AWG/kcmil	24-12	24-12

cULus Recognized

accessories

End cover

D-ST 2,5-QUATTRO/ 2P - 3040083



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accessories

DS-ST 4/P - 3043750



DP PS-5 - 3036725



Partition plate

ATP-ST QUATTRO - 3030815



Coding element

PC - 3040588



Screwdriver tools

SZF 1-0,6X3,5 - 1204517



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accessories

Labeled terminal marker

WST 2,5 - 3030941



ZB 5 CUS - 0824962



UC-TM 5 CUS - 0824581



UCT-TM 5 CUS - 0829595



ZBF 5 CUS - 0825025



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accessories

UC-TMF 5 CUS - 0824638



UCT-TMF 5 CUS - 0829658



Flange

ST 2,5-QUATTRO/2P-F - 3209853



ST 2,5-QUATTRO/2P-FS - 3061392



Documentation

ST-IL - 3039900



Bridge

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accessories

FBS 2-5 - 3030161



FBS 3-5 - 3030174



FBS 4-5 - 3030187



FBS 5-5 - 3030190



FBS 10-5 - 3030213



FBS 20-5 - 3030226



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accessories

FBS 50-5 - 3038930



FBS 2-5 BU - 3036877



FBS 3-5 BU - 3036880



FBS 4-5 BU - 3036893



FBS 5-5 BU - 3036903



Feed-through terminal block - ST 2,5-QUATTRO/2P - 3040038

accessories

FBS 10-5 BU - 3036916



FBS 20-5 BU - 3036929



FBS 50-5 BU - 3032114



FBS 2-5 GY - 3038969



FBS 3-5 GY - 3038972



FBS 4-5 GY - 3038985



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accessories

FBS 5-5 GY - 3038998



FBS 10-5 GY - 3039007



FBS 20-5 GY - 3038671



FBS 50-5 GY - 3032127



Mounting rail

NS 35/ 7,5 PERF 2000MM - 0801733



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accessories

NS 35/ 7,5 UNPERF 2000MM - 0801681



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



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



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



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



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



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accessories

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



NS 35/ 7,5 CAP - 1206560



Terminal marking

ZB 5 :UNBEDRUCKT - 1050004



UC-TM 5 - 0818108



UCT-TM 5 - 0828734



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accessories

ZBF 5:UNBEDRUCKT - 0808642



UC-TMF 5 - 0818153



UCT-TMF 5 - 0828744



Test plug terminal block

MPS-MT - 0201744



PAI-4-FIX-5/6 BU - 3035975



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accessories

PAI-4-FIX-5/6 OG - 3035974



PAI-4-FIX-5/6 YE - 3035977



PAI-4-FIX-5/6 RD - 3035976



PAI-4-FIX-5/6 GN - 3035978



PAI-4-FIX-5/6 BK - 3035980



PAI-4-FIX-5/6 GY - 3035982



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accessories

PAI-4-FIX-5/6 VT - 3035979



PAI-4-FIX-5/6 BN - 3035981



PS-5 - 3030983



PS-5/2,3MM RD - 3038723



Insulating sleeve

MPS-IH WH - 0201663



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accessories

MPS-IH RD - 0201676



MPS-IH BU - 0201689



MPS-IH YE - 0201692



MPS-IH GN - 0201702



MPS-IH GY - 0201728



MPS-IH BK - 0201731



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accessories

ISH 2,5/0,2 - 3002843



ISH 2,5/0,5 - 3002856



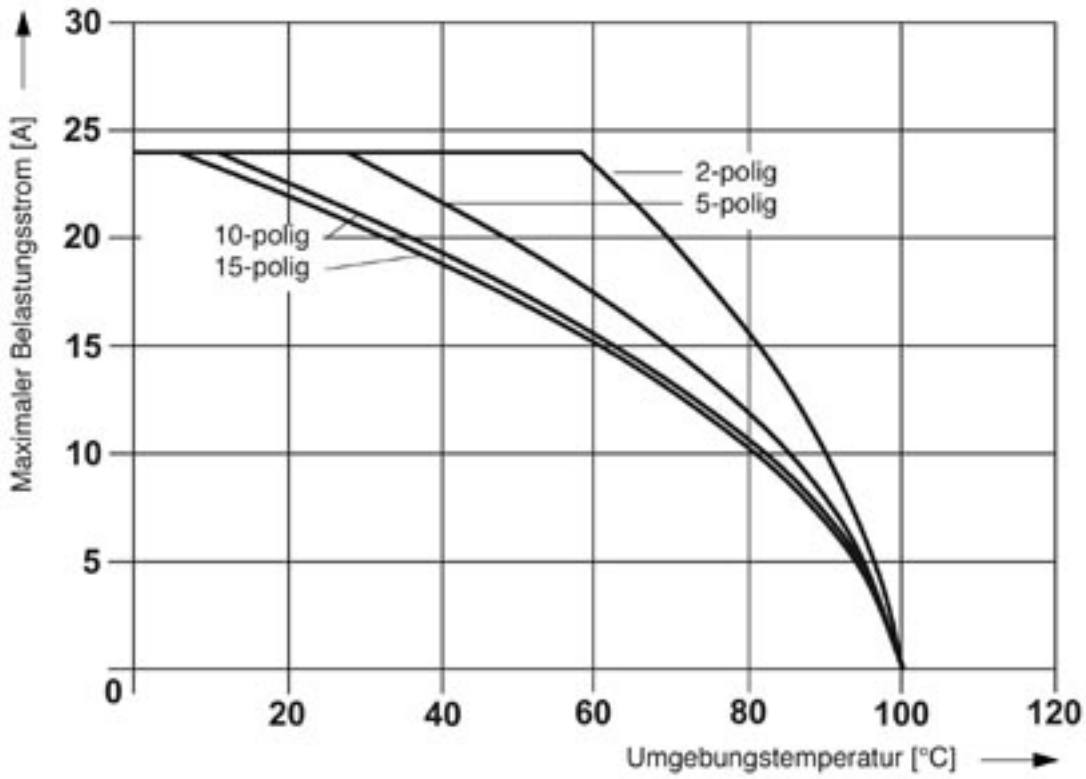
ISH 2,5/1,0 - 3002869



Drawings

Feed-through terminal block - ST 2,5-QUATTRO/2P - 3040038

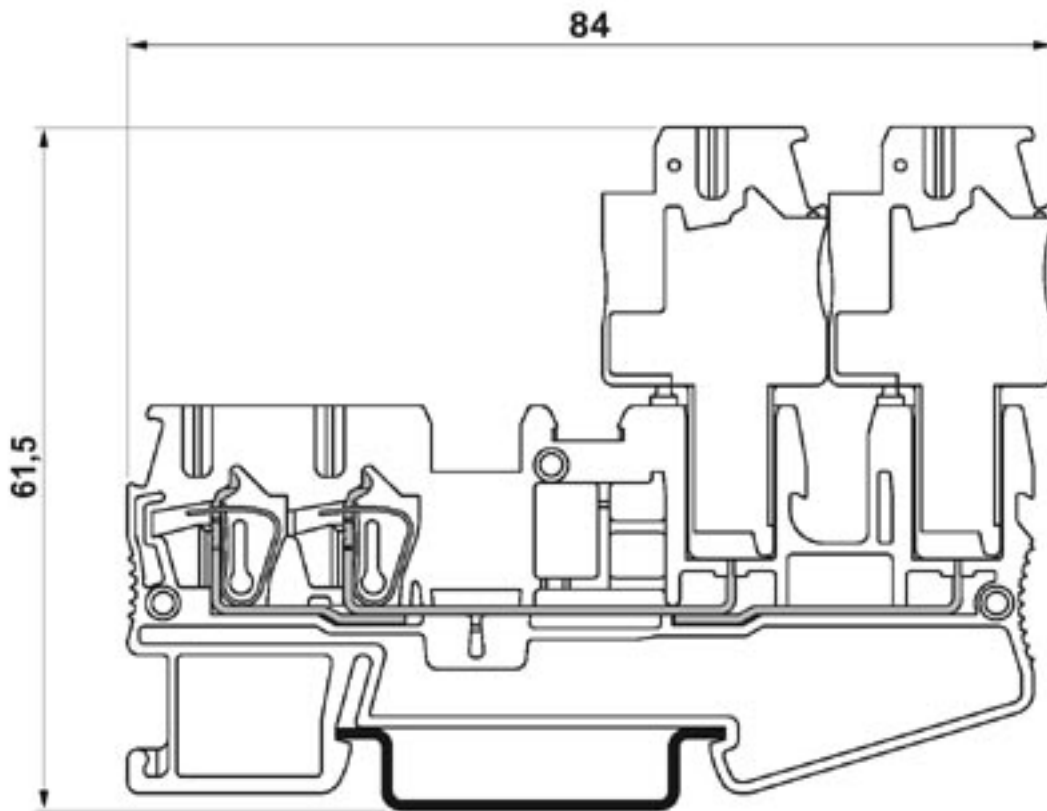
Diagram



Applies to all male connector variants SP...

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Dimensioned drawing



Circuit diagram

