

## Feed-through terminal block - QTC 2,5-TWIN - 3206445

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Feed-through terminal block, Connection method: Quick connection, Cross section: 0.5 mm<sup>2</sup> - 2.5 mm<sup>2</sup>, AWG: 20 - 14, Width: 6.2 mm, Height: 37.8 mm, Color: gray, Mounting type: NS 35/7,5, NS 35/7,5

### Product Features

- Compact design
- Tested for railway applications



### Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	13.832 g
Custom tariff number	85369010
Country of origin	China

### Technical data

#### General

Number of levels	1
Number of connections	3
Nominal cross section	2.5 mm <sup>2</sup>
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Area of application	Railway industry
	Machine building
	Plant engineering
	Process industry
Rated surge voltage	8 kV

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### Technical data

#### General

Degree of pollution	3
Overvoltage category	III
Insulating material group	I
Ambient temperature (actuation)	-10 °C ... 90 °C
Connection in acc. with standard	IEC 60947-7-1
Maximum load current	24 A (at a conductor cross section of 2.5 mm <sup>2</sup> ; it must not be exceeded by the total current.)
Nominal current I <sub>N</sub>	24 A (with a 2.5 mm <sup>2</sup> conductor cross section)
Nominal voltage U <sub>N</sub>	800 V
Open side panel	Yes

#### Dimensions

Width	6.2 mm
End cover width	2.2 mm
Length	82.5 mm
Height	37.8 mm
Height NS 35/7,5	39.3 mm
Height NS 35/15	46.8 mm

#### Connection data

Connection method	Quick connection
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section solid min.	0.5 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section AWG min.	20
Conductor cross section AWG max.	14
Conductor cross section flexible min.	0.5 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 mm <sup>2</sup>
Min. AWG conductor cross section, flexible	20
Max. AWG conductor cross section, flexible	14
Connection in acc. with standard	IEC/EN 60079-7
Conductor cross section solid min.	0.5 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section AWG min.	20
Conductor cross section AWG max.	14
Conductor cross section flexible min.	0.5 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 mm <sup>2</sup>
Material wire insulation	PVC / PE
Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	VDE 0295 Cl.1-5

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## Technical data

### Connection data

Max. wire diameter incl. insulation	3.8 mm
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### Standards and Regulations

Connection in acc. with standard	CSA
	IEC 60947-7-1
Flammability rating according to UL 94	V0

## Classifications

### eCl@ss

eCl@ss 4.0	27141130
eCl@ss 4.1	27141130
eCl@ss 5.0	27141130
eCl@ss 5.1	27141130
eCl@ss 6.0	27141120
eCl@ss 7.0	27141120
eCl@ss 8.0	27141120
eCl@ss 9.0	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

## Approvals

### Approvals

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### Approvals

CSA / UL Recognized / cUL Recognized / GL / BV / DNV / ABS / NK / EAC / EAC / LR / cULus Recognized

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## Approvals

Ex Approvals

IECEX / ATEX / EAC Ex

Approvals submitted

## Approval details

CSA		
	B	C
mm <sup>2</sup> /AWG/kcmil	20-14	20-14
Nominal current I <sub>N</sub>	15 A	15 A
Nominal voltage U <sub>N</sub>	600 V	600 V

UL Recognized		
	B	C
mm <sup>2</sup> /AWG/kcmil	20-14	20-14
Nominal current I <sub>N</sub>	15 A	15 A
Nominal voltage U <sub>N</sub>	600 V	600 V

cUL Recognized		
	B	C
mm <sup>2</sup> /AWG/kcmil	20-14	20-14
Nominal current I <sub>N</sub>	15 A	15 A
Nominal voltage U <sub>N</sub>	600 V	600 V

GL

BV

DNV

## Feed-through terminal block - QTC 2,5-TWIN - 3206445

### Approvals


ABS

NK

EAC

EAC

LR

cULus Recognized  US

### Drawings

Circuit diagram

