Feed-through terminal block - QTCU 1,5-TWIN - 3050044

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)

Feed-through terminal block, Connection type: Quick connection, Screw connection, Cross section: 0.25 mm² - 1.5 mm², AWG :24- 16, Width: 5.2 mm, Color: gray, Mounting: NS 35/7,5, NS 35/15

Product Features

- The hybrid versions combine the advantages of the different connection technologies
- The time-saving QUICKON fast connection is used on the control cabinet side
- The screw connection is used on the connection side

Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
Weight per Piece (excluding packing)	12.32 g
Custom tariff number	85369010
Country of origin	China

Technical data

General

Number of levels	1
Number of connections	3
Nominal cross section	1.5 mm²
Color	gray
Insulating material	PA
Flammability rating according to UL 94	V0
Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage category	III

Feed-through terminal block - QTCU 1,5-TWIN - 3050044

Technical data

General

Insulating material group	I
Ambient temperature (actuation)	-10 °C ... 90 °C
Connection method	Quick connection
Connection in acc. with standard	IEC 60947-7-1
Maximum load current	17.5 A (with 1.5 mm² conductor cross section)
Nominal current I_N	17.5 A
Nominal voltage U_N	800 V
Connection method	Screw connection
Connection in acc. with standard	IEC 60947-7-1
Maximum load current	17.5 A (with 1.5 mm² conductor cross section)
Nominal current I_N	17.5 A
Nominal voltage U_N	800 V
Open side panel	Yes

Dimensions

Width	5.2 mm
Length	76.4 mm
Height NS 35/7,5	42.8 mm
Height NS 35/15	50.3 mm
End cover width	2.2 mm

Connection data

Connection method	Quick connection
Connection in acc. with standard	IEC 60947-7-1
Max. wire diameter incl. insulation	3 mm
Conductor cross section solid min.	0.25 mm²
Conductor cross section solid max.	1.5 mm²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	16
Conductor cross section flexible min.	0.25 mm²
Conductor cross section flexible max.	1.5 mm²
Min. AWG conductor cross section, flexible	24
Max. AWG conductor cross section, flexible	16
Conductor cross section flexible min. after 10 connections with the max. solid conductor	0.25 mm²
Conductor cross section flexible max. after 10 connections with the max. solid conductor	1.5 mm²
Conductor cross section solid min. after 10 connections with the max. solid conductor	0.25 mm²

Feed-through terminal block - QTCU 1,5-TWIN - 3050044

Technical data

Connection data

Conductor cross section solid max. after 10 connections with the max. solid conductor	1.5 mm²
AWG min. after 10 connections with the max. rigid conductor	24
AWG max. after 10 connections with the max. rigid conductor	16
Cross section sensor cables, min.	0.25 mm²
Cross section sensor cables, max.	0.34 mm²
Nominal current I_N	17.5 A
Maximum load current	17.5 A (with 1.5 mm² conductor cross section)
Nominal voltage U_N	800 V
Connection in acc. with standard	IEC/EN 60079-7
Test certificate name	KEMA 04ATEX2226 U
Conductor cross section AWG min.	24
Conductor cross section AWG max.	16
Maximum load current	17.5 A
Nominal voltage U_N	550 V
Material wire insulation	PVC / PE
Connection method	Screw connection
Connection in acc. with standard	IEC 60947-7-1
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm
Stripping length	9 mm
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
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
2 conductors with same cross section, solid min.	0.14 mm²
2 conductors with same cross section, solid max.	1.5 mm²
2 conductors with same cross section, stranded min.	0.14 mm²
2 conductors with same cross section, stranded max.	1.5 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.14 mm²

Feed-through terminal block - QTCU 1,5-TWIN - 3050044

Technical data

Connection data

2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1.5 mm²
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.	1.5 mm²
Nominal current I_N	17.5 A
Maximum load current	17.5 A (with 1.5 mm² conductor cross section)
Nominal voltage U_N	800 V

Standards and Regulations

Connection in acc. with standard	CSA
	IEC 60947-7-1
	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

Feed-through terminal block - QTCU 1,5-TWIN - 3050044

Classifications

UNSPSC

UNSPSC 13.2	39121410

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / GL / CSA / EAC / EAC / cULus Recognized

Ex Approvals

IECEx / ATEX / EAC Ex

Approvals submitted

Approval details

UL Recognized

	B	C
mm²/AWG/kcmil	24-16	24-16
Nominal current IN	10 A	10 A
Nominal voltage UN	600 V	600 V

cUL Recognized

	B	C
mm²/AWG/kcmil	24-16	24-16
Nominal current IN	10 A	10 A
Nominal voltage UN	600 V	600 V

GL

Feed-through terminal block - QTCU 1,5-TWIN - 3050044

Approvals

CSA

	B	C
mm²/AWG/kcmil	24-16	24-16
Nominal current IN	10 A	10 A
Nominal voltage UN	600 V	600 V

EAC

EAC

cULus Recognized

Drawings

Circuit diagram