

Disconnect terminal block - QTC 2.5-TG - 3206490

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Disconnect terminal block, Connection type: Quick connection, Cross section: 0.5 mm² - 2.5 mm², AWG: 20 - 14, Nominal current: 20 A, Nominal voltage: 400 V, Length: 82.5 mm, Width: 6.2 mm, Color: gray, Assembly: NS 35/7.5, NS 35/15

Why buy this product

- Disconnect terminal block with universal disconnect zone for accommodating isolating plugs, feed-through connectors, component plugs, and fuse plugs
- The P-CO(3) component plug is used to accommodate different components such as resistors or diodes
- The P-DI (2) isolating plug can be used in all disconnect terminal blocks. Following disconnection, the P-DI can be "parked" back to front in the basic terminal block.
- The insulated P-FIX (1) feed-through connector enables the installation of a feed-through terminal of the same shape
- Triple bridge shaft enables individual potential distribution and supply



Key commercial data

Packing unit	1
Minimum order quantity	50
Catalog page	Page 263 (CL1-2011)
GTIN	 4 046356 057677
Custom tariff number	85369010
Country of origin	CHINA

Technical data

General

Note	Current and voltage are determined by the connector used.
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
Length	82.5 mm

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Technical data

Dimensions

Height NS 35/7,5	39.3 mm
Height NS 35/15	46.8 mm

Technical data

Maximum load current	20 A (with 2.5 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 60947-7-1
Nominal current I _N	20 A
Nominal voltage U _N	400 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	67.5 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 rotation speed	10 rpm
Bending test turns	135
Bending test conductor cross section/weight	0.5 mm ² / 0.3 kg
Bending test conductor cross section/weight	2.5 mm ² / 0.7 kg
Result of bending test	Test passed
Tensile test result	Test passed
Tight fit on carrier	NS 35
Setpoint	1 N
Result of tight fit test	Test passed
Result of voltage drop test	Test passed
Temperature-rise test	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	0.02 g ² /Hz
Acceleration	0.8 g
Test duration per axis	5 h

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Technical data

Technical data

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))	120 °C

Connection data

Conductor cross section solid min.	0.5 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section stranded min.	0.5 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil max	14
Connection method	Quick connection
Material wire insulation	PVC / PE
Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	VDE 0295 Cl.1-5

Classifications

ETIM

ETIM 2.0	EC000902
ETIM 3.0	EC000902
ETIM 4.0	EC000902
ETIM 5.0	EC000903

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	27141117
eCl@ss 4.1	27141117
eCl@ss 5.0	27141130
eCl@ss 5.1	27141130

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Classifications

eCl@ss

eCl@ss 6.0	27141126
eCl@ss 7.0	27141126

Approvals

Approvals


Approvals


CSA / UL Recognized / cUL Recognized / GOST / GL / BV / DNV / ABS / NK / cULus Recognized


Ex Approvals

Approvals submitted

Approval details

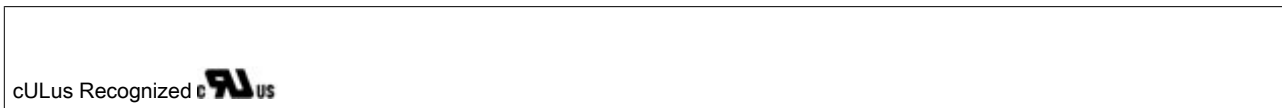
CSA 			
	B	C	D
mm ² /AWG/kcmil	20-14	20-14	20-14
Nominal current IN	15 A	15 A	5 A
Nominal voltage UN	300 V	300 V	600 V

UL Recognized 				
		B	C	D
mm ² /AWG/kcmil	20-14	20-14	20-14	20-14
Nominal current IN	15 A	15 A	15 A	10 A
Nominal voltage UN	300 V	300 V	150 V	300 V

cUL Recognized 				
		B	C	D
mm ² /AWG/kcmil	20-14	20-14	20-14	20-14
Nominal current IN	15 A	15 A	15 A	10 A
Nominal voltage UN	300 V	300 V	150 V	300 V

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Approvals



Accessories

Accessories

Assembly

End cover - D-QTC 2,5-TWIN - 3206571



End cover, Length: 82.5 mm, Width: 2.2 mm, Color: gray

Partition plate - ATP-QTC TWIN - 3206212



Partition plate, Length: 84.4 mm, Width: 2 mm, Height: 46 mm, Color: gray

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Accessories

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

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

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Accessories

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

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)

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Accessories

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

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

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Accessories

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

Plug-in bridge - FBS 2-6 - 3030336



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

Plug-in bridge - FBS 3-6 - 3030242



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

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Accessories

Plug-in bridge - FBS 4-6 - 3030255



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

Plug-in bridge - FBS 5-6 - 3030349



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

Plug-in bridge - FBS 10-6 - 3030271



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

Plug-in bridge - FBS 20-6 - 3030365



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

Marking

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

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Accessories

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

Marker for terminal blocks - UCT-TM 6 - 0828736



Marker for terminal blocks, Sheet, white, Unlabeled, Can be labeled with: Thermomark C+, Thermomark C, BLUEMARK CLED, Bluemark, 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 - UCT-TM 6 CUS - 0829602



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

Zack Marker strip, flat - ZBF 6:UNBEDRUCKT - 0808710



Zack Marker strip, flat, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into flat marker groove, For terminal block width: 6.2 mm, Lettering field: 5.15 x 6.15 mm

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Accessories

Zack Marker strip, flat - ZBF 6 CUS - 0825027



Zack Marker strip, flat, Can be ordered: Strip, white, Labeled according to customer specifications, Mounting type: Snap into flat marker groove, For terminal block width: 6.2 mm, Lettering field: 5.15 x 6.15 mm

Marker for terminal blocks - UC-TMF 6 - 0818140



Marker for terminal blocks, Sheet, white, Unlabeled, Can be labeled with: Bluemark, Plotter, BLUEMARK CLED, Mounting type: Snap into flat marker groove, For terminal block width: 6.2 mm, Lettering field: 5.6 x 5.1 mm

Marker for terminal blocks - UC-TMF 6 CUS - 0824646



Marker for terminal blocks, Can be ordered: By sheet, white, Labeled according to customer specifications, Mounting type: Snap into flat marker groove, For terminal block width: 6.2 mm, Lettering field: 5.6 x 5.1 mm

Marker for terminal blocks - UCT-TMF 6 - 0828746



Marker for terminal blocks, Sheet, white, Unlabeled, Can be labeled with: Thermomark C+, Thermomark C, Bluemark, BLUEMARK CLED, Mounting type: Snap into flat marker groove, For terminal block width: 6.2 mm, Lettering field: 5.4 x 4.7 mm

Marker for terminal blocks - UCT-TMF 6 CUS - 0829665



Marker for terminal blocks, Can be ordered: By sheet, white, Labeled according to customer specifications, Mounting type: Snap into flat marker groove, For terminal block width: 6.2 mm, Lettering field: 5.4 x 4.7 mm

Plug/Adapter

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Accessories

Test plugs - MPS-MT - 0201744



Test plugs

Insulating sleeve - MPS-IH WH - 0201663



Insulating sleeve, Color: white

Insulating sleeve - MPS-IH RD - 0201676



Insulating sleeve, Color: red

Insulating sleeve - MPS-IH BU - 0201689



Insulating sleeve, Color: blue

Insulating sleeve - MPS-IH YE - 0201692



Insulating sleeve, Color: yellow

Insulating sleeve - MPS-IH GN - 0201702



Insulating sleeve, Color: green

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Accessories

Insulating sleeve - MPS-IH GY - 0201728



Insulating sleeve, Color: gray

Insulating sleeve - MPS-IH BK - 0201731



Insulating sleeve, Color: black

Test plugs - PS-5/2,3MM RD - 3038723



Test plugs, Color: red

Test plugs - PS-6/2,3MM RD - 3038736



Test plugs, Color: red

Test adapter - PS-8/2,3MM RD - 3048564

Test adapter, Color: red

Test adapter - PAI-4-N GY - 3032871



Test adapter, Color: gray

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Accessories

Test adapter - PS-6 - 3030996



Test adapter, Color: red

Tools

Screwdriver - SZF 1-0,6X3,5 - 1204517



Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

Switching lock - S-MT - 3247954



Switching lock, Length: 10.5 mm, Width: 3.5 mm, Height: 23.1 mm, Color: white

End clamp - E/NS 35 N - 0800886



End clamp, width: 9.5 mm, color: gray

Additional products

Isolating connectors - P-DI - 3036783



Isolating connectors, Length: 10.8 mm, Width: 3.5 mm, Height: 23.1 mm, Color: orange

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Accessories

Spare knife - P-FIX - 3038956



Spare knife, Length: 10.5 mm, Width: 4 mm, Color: gray

Component connector - P-CO - 3036796



Component connector, Nominal current: 6 A, Length: 24 mm, Width: 5.2 mm, Height: 22 mm, Color: gray

Component connector - P-CO 1N4007/R-L - 3032457

Component connector, Length: 24 mm, Width: 5.2 mm, Height: 22 mm, Color: gray

Component connector - P-CO 1N4007/L-R - 3032460

Component connector, Length: 24 mm, Width: 5.2 mm, Height: 22 mm, Color: gray

Fuse plug - P-FU 5X20 - 3036806



Fuse plug, Nominal current: 6.3 A, Nominal voltage: 500 V, Width: 6.2 mm, Fuse type: G / 5 x 20, Fuse type: Glass, Color: black

Fuse plug - P-FU 5X20 LED 24 - 3036819



Fuse plug with LED for 12 - 30 V DC, 0.31 - 0.95 mA, width 6.2 mm, color black

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Accessories

Fuse plug - P-FU 5X20 LED 60 - 3036822



Fuse plug with LED for 30 - 60 V AC/DC, 0.40 - 0.86 mA, width 6.2 mm, color black

Fuse plug - P-FU 5X20 LA 250 - 3036835



Fuse plug with LED for 110 - 250 V AC/DC, 0.41 - 0.96 mA, width 6.2 mm, color black

Fuse plug - P-FU 6,3X32 - 3046498



Fuse plug, Nominal current: 10 A, Nominal voltage: 630 V, Width: 8.2 mm, Fuse type: G / 6,3 x 32, Fuse type: Glass, Color: black

Fuse plug - P-FU 6,3X32 LED 24 - 3046508



Fuse plug with LED for 12 - 30 V DC, 0.31 - 0.95 mA, width 8.2 mm, color black

Fuse plug - P-FU 6,3X32 LED 60 - 3046511



Fuse plug with LED for 30 - 60 V AC/DC, 0.40 - 0.86 mA, width 8.2 mm, color black

Fuse plug - P-FU 6,3X32 LA 250 - 3046524



Fuse plug with LED for 110 - 250 V AC/DC, 0.41 - 0.96 mA, width 8.2 mm, color black

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Accessories

Drawings

Circuit diagram



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