PCB terminal block - MKDSO 2,5/ 4-R BK - 2869760

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://download.phoenixcontact.com)

PCB terminal block, Nominal current: 24 A, Nom. voltage: 400 V, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 0 °, Color: black

Key commercial data

package_quantity	50
GTIN	4017918944636

Technical data

Dimensions

Length	15.3 mm
Pin dimensions	0,8 x 1
Hole diameter	1.4 mm

General

Rated surge voltage (III/3)	4 kV
Rated surge voltage (III/2)	4 kV
Rated surge voltage (II/2)	4 kV
Rated voltage (III/3)	320 V
Rated voltage (III/2)	400 V
Rated voltage (II/2)	630 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	24 A
Nominal cross section	2.5 mm²
Maximum load current	24 A
Inflammability class according to UL 94	V0
Internal cylindrical gage	A 2
Stripping length	8 mm
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

Connection data

Conductor cross section solid min.	0.14 mm²
Conductor cross section solid max.	2.5 mm²
Conductor cross section stranded min.	0.14 mm²

PCB terminal block - MKDSO 2,5/ 4-R BK - 2869760

Technical data

Connection data

Conductor cross section stranded max.	2.5 mm²
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	14
2 conductors with same cross section, solid min.	0.14 mm²
2 conductors with same cross section, solid max.	0.75 mm²
2 conductors with same cross section, stranded min.	0.14 mm²
2 conductors with same cross section, stranded max.	0.75 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.75 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
Minimum AWG according to UL/CUL	30
Maximum AWG according to UL/CUL	12

classifications

eCl@ss

eCl@ss 4.0	27180401
eCl@ss 4.1	27180401
eCl@ss 5.0	27180506
eCl@ss 5.1	27141190
eCl@ss 6.0	27141190
eCl@ss 7.0	27141190
eCl@ss 8.0	27141190

ETIM

ETIM 2.0	EC001031
ETIM 3.0	EC001031
ETIM 4.0	EC002643
ETIM 5.0	EC002643

UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	31261501

PCB terminal block - MKDSO 2,5/ 4-R BK - 2869760

approvals

CSA / UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / CCA / IECEE CB Scheme / GOST / GOST / cULus Recognized /

Approval details

CSA

Usegroups	B	D
Nominal voltage UN	300 V	300 V
Nominal current IN	10 A	10 A
mm²/AWG/kcmil	28-12	28-12

UL Recognized

Usegroups	B	D
Nominal voltage UN	300 V	300 V
Nominal current IN	20 A	10 A
mm²/AWG/kcmil	30-12	30-12

VDE Gutachten mit Fertigungsüberwachung

Nominal voltage UN	450 V
Nominal current IN	24 A
mm²/AWG/kcmil	0.2-2.5

cUL Recognized

Usegroups	B	D
Nominal voltage UN	300 V	300 V
Nominal current IN	20 A	10 A
mm²/AWG/kcmil	30-12	30-12

CCA

Nominal voltage UN	450 V
Nominal current IN	24 A
mm²/AWG/kcmil	2.5

PCB terminal block - MKDSO 2,5/ 4-R BK - 2869760

approvals

IECEE CB Scheme

Nominal voltage UN	450 V
Nominal current IN	24 A
mm²/AWG/kcmil	2.5

GOST

cULus Recognized

© Phoenix Contact 2013 - all rights reserved
http://www.phoenixcontact.com