

Feed-through terminal block - MBK 3 - 1413010

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Feed-through terminal block, Connection method: Screw connection, Cross section: 0.2 mm² - 4 mm², AWG 24 - 12, Width: 5.2 mm, Color: gray, Mounting type: NS 15

Key commercial data

Packing unit	1
Minimum order quantity	50
Catalog page	Page 522 (CL1-2011)
GTIN	 4 017918 021092
Custom tariff number	85369010
Country of origin	GERMANY

Technical data

General

Number of levels	1
Number of connections	2
Color	gray
Insulating material	PA
Inflammability class according to UL 94	V2

Dimensions

Width	5.2 mm
Length	28 mm

Technical data

Maximum load current	32 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 60947-7-1
Nominal current IN	24 A
Nominal voltage UN	500 V
Open side panel	ja

Feed-through terminal block - MBK 3 - 1413010

Technical data

Connection data

Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.25 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.	0.25 mm ²
Conductor cross section stranded, with ferrule with plastic sleeve max.	1.5 mm ²
2 conductors with same cross section, solid min.	0.2 mm ²
2 conductors with same cross section, solid max.	1.5 mm ²
2 conductors with same cross section, stranded min.	0.2 mm ²
2 conductors with same cross section, stranded max.	1.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm ²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm ²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1.5 mm ²
Cross section with insertion bridge, solid max.	2.5 mm ²
Cross section with insertion bridge, stranded max.	2.5 mm ²
Connection method	Screw connection
Stripping length	8 mm
Internal cylindrical gage	A3
Screw thread	M3
Tightening torque, min	0.6 Nm
Tightening torque max	0.8 Nm

Classifications

eclass

eCl@ss 4.0	27141123
eCl@ss 4.1	27141123
eCl@ss 5.0	27141120
eCl@ss 5.1	27141120
eCl@ss 6.0	27141120
eCl@ss 7.0	27141120

Feed-through terminal block - MBK 3 - 1413010

Classifications

etim

ETIM 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	EC000897

unspsc

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

Approvals

Approvals

Approvals

CSA / UL Recognized / cUL Recognized / GOST / LR / GL / BV / PRS / NK / GOST / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

CSA 	
mm²/AWG/kcmil	28-12
Nominal current I _N	25 A
Nominal voltage U _N	150 V

UL Recognized 			
	B	C	D
mm²/AWG/kcmil	28-12	28-12	28-12
Nominal current I _N	20 A	20 A	5 A
Nominal voltage U _N	300 V	150 V	600 V

Feed-through terminal block - MBK 3 - 1413010

Approvals

cUL Recognized 

	B	C	D
mm²/AWG/kcmil	28-12	28-12	28-12
Nominal current I _N	20 A	20 A	10 A
Nominal voltage U _N	300 V	150 V	300 V

GOST 

LR

GL

BV

PRS

NK

GOST 

cULus Recognized 

Accessories

Accessories

Assembly

DIN rail - NS 15 AL PERF 2000MM - 1401763



DIN rail, material: Aluminum, perforated, height 5.5 mm, width 15 mm, length: 2 m

Feed-through terminal block - MBK 3 - 1413010

Accessories

DIN rail - NS 15 UNPERF 2000MM - 1401695



DIN rail, material: Steel, unperforated, height 5.5 mm, width 15 mm, length: 2 m

DIN rail perforated - NS 15 PERF 2000MM - 1401682



DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 5.5 mm, width 15 mm, length: 2000 mm

End clamp - E/MBK - 1401637



End clamp, width: 6.2 mm, color: gray

End cover - D-MBK 3/5 - 1413023



End cover, Length: 28 mm, Width: 2.5 mm, Color: gray

Fixed bridge - FB-150 METER - 0201595



Cross connection rail, for fixed bridging of identical inputs and outputs, made of Cu, nickel-plated, 1 m long

Separating plate - TS-KK 3 - 2770215



Separating plate, Length: 14 mm, Height: 16 mm, Color: gray

Feed-through terminal block - MBK 3 - 1413010

Accessories

Partition plate - ATP-MBK - 1413227



Partition plate, Length: 42.5 mm, Width: 2.5 mm, Height: 41 mm, Color: gray

Bridges

Fixed bridge - FBRI 10-5 N - 2770642



Fixed bridge, Number of positions: 10, Color: silver

Insertion bridge - EBL 10- 5 - 2303132



Insertion bridge, Number of positions: 10, Color: gray

Switching jumper - SBRN 2-7 - 1413230



Switching jumper, Color: silver

Plug/Adapter

Female test connector - PSBJ 3/13/4 - 0201304



Female test connector, Color: silver

Feed-through terminal block - MBK 3 - 1413010

Accessories

Female test connector - PSB 3/10/4 - 0601292



Female test connector, Color: silver

Reducing plug - RPS - 0201647



Reducing plug, Color: gray

Marker pin - BN-ZB 5,2/WH CUS - 0824271

Marker pin, Strip, white, Labeled according to customer specifications, Mounting type: Plug in, For terminal block width: 5.2 mm, Lettering field: 4 x 4 mm

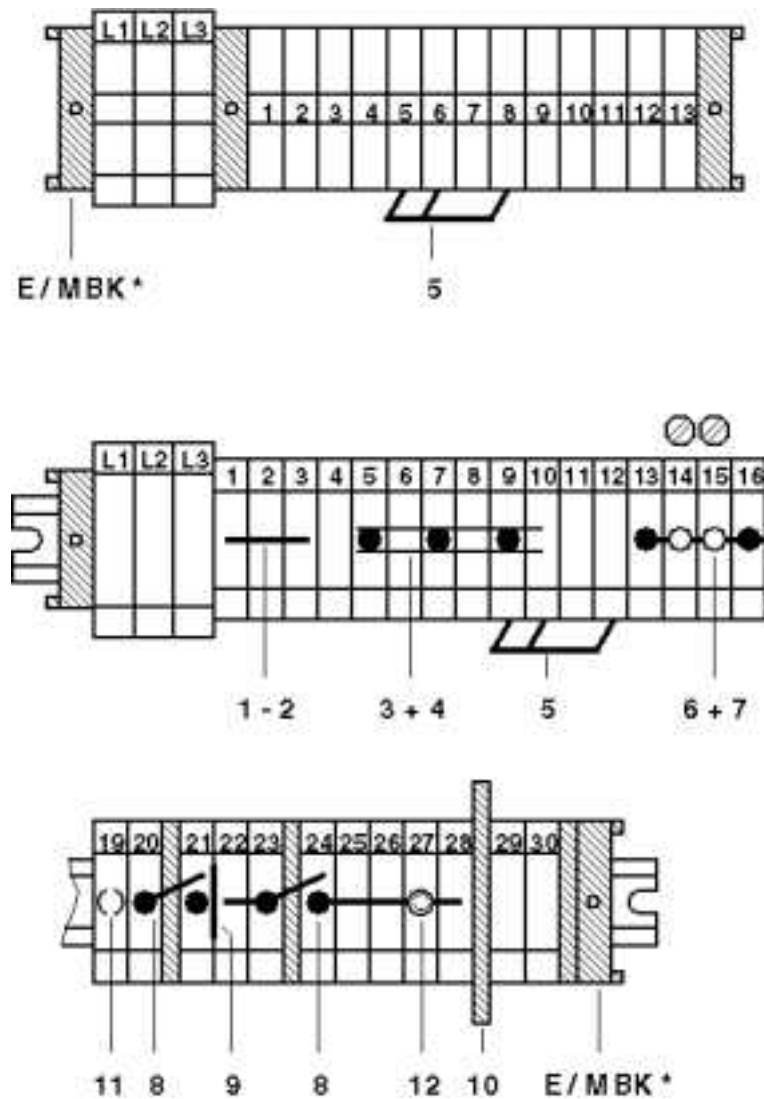
Drawings

Feed-through terminal block - MBK 3 - 1413010

Circuit diagram



Circuit diagram



- 1 = cover
- 2 = fixed bridge, for cross-connections in the terminal center, screw heads with insulating collar
- 3 = fixed bridge, for cross-connections in the terminal center, with crimped-on rollers
- 4 = insertion bridge
- 5 = isolator bridge bar
- 6 = bridge bar isolator
- 7 = switch bar for 2 terminal blocks
- 8 = separating plate
- 9 = partition plate
- 10 = test plug socket