

# EC-E1 10A

Order No.: 0903030



Electronic circuit breaker, signal contact: 1 N/O contact, nominal current: 10 A

Commercial data	
GTIN (EAN)	4046356328050
sales group	A043
Pack	6 pcs.
Customs tariff	85362010
Weight/Piece	0.07225 KG
Catalog page information	Page 464 (CL-2009)

### Product notes

WEEE/RoHS-compliant since: 03/03/2008



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## Technical data

General	
Color	black
Insulating material	PA-F
Inflammability class acc. to UL 94	V0

**Dimensions**

Width	12.5 mm
Length	80 mm
Height NS 35/7,5	83 mm
Height NS 35/15	90.5 mm

**Technical data**

Fuse type	Automatic device
Nominal current $I_N$	10 A
Nominal voltage $U_N$	24 V (up to max. 32 V)
Switching capacity $I_{CN}$	(Active current limitation)
Ambient temperature (operation)	0 °C ... 50 °C

**Connection data**

Conductor cross section solid min.	0.5 mm <sup>2</sup>
Conductor cross section solid max.	16 mm <sup>2</sup>
Conductor cross section stranded min.	0.5 mm <sup>2</sup>
Conductor cross section stranded max.	16 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil max	6
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule without plastic sleeve max.	10 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.5 mm <sup>2</sup>
Conductor cross section stranded, with ferrule with plastic sleeve max.	10 mm <sup>2</sup>
2 conductors with same cross section, solid min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, solid max.	4 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	4 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	2.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm <sup>2</sup>

2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	6 mm <sup>2</sup>
Type of connection	Screw connection
Stripping length	10 mm
Screw thread	M4
Tightening torque max	1.2 Nm

### Certificates / Approvals



Certification UL

### Accessories

Item	Designation	Description
<b>Assembly</b>		
3022276	CLIPFIX 35-5	Snap-on end bracket, for NS 35/7.5 or NS 35/15 DIN rail, can be fitted with Zack strip ZB 5 and ZBF 5, terminal strip marker KLM 2 and KLM, parking facility for FBS...5, FBS...6, KSS 5, KSS 6, width: 5,15 mm, color: gray
1201413	E/UK 1	End brackets, for supporting the ends of double-level and three-level terminal blocks, width: 10 mm, color: gray
0801762	NS 35/ 7,5 CU UNPERF 2000MM	DIN rail, material: Copper, unperforated, height 7.5 mm, width 35 mm, length: 2 m
0801733	NS 35/ 7,5 PERF 2000MM	DIN rail, material: Steel, galvanized and passivated with a thick layer, perforated, height 7.5 mm, width 35 mm, length: 2 m
1201756	NS 35/15 AL UNPERF 2000MM	DIN rail, deep-drawn, high profile, unperforated, 1.5 mm thick, material: Aluminum, height 15 mm, width 35 mm, length 2 m
1201895	NS 35/15 CU UNPERF 2000MM	DIN rail, material: Copper, unperforated, 1.5 mm thick, height 15 mm, width 35 mm, length: 2 m
1201730	NS 35/15 PERF 2000MM	DIN rail, material: Steel, perforated, height 15 mm, width 35 mm, length: 2 m
1201714	NS 35/15 UNPERF 2000MM	DIN rail, material: Steel, unperforated, height 15 mm, width 35 mm, length: 2 m
1201798	NS 35/15-2,3 UNPERF 2000MM	DIN rail, material: Steel, unperforated, 2.3 mm thick, height 15 mm, width 35 mm, length: 2 m

### Bridges

2966692	FBST 500-PLC BU	Continuous plug-in bridge, Length: 500 mm, Color: blue
2966786	FBST 500-PLC RD	Continuous plug-in bridge, Length: 500 mm, Color: red

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<b>General</b>		
0901028	FBST 500 TMC-N GY	Continuous plug-in bridge, Color: gray
<b>Marking</b>		
0819233	UC-TMF 12	UniCard sheets, for labeling terminal blocks using a flat Zack marker strip groove, 40-section, can be labeled with BLUEMARK X1 and CMS-P1-PLOTTER, color: White
0809735	ZBF 12:UNBEDRUCKT	Zack strip, flat, unprinted, 5-section, divisible, for labeling by the customer
<b>Tools</b>		
1205053	SZS 0,6X3,5	Screwdriver, bladed, matches all screw terminal blocks up to 4.0 mm <sup>2</sup> connection cross section, blade: 0.6 x 3.5 mm, without VDE approval

Diagrams/Drawings

Circuit diagram

