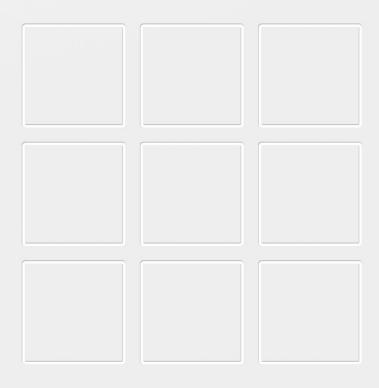


3

Contactors

EKS127 Series
Terminal bolts
Catalogue B100.en









EKS 127 Terminal bolts for low voltage applications

Single terminal bolts from Schaltbau are easily incorporated in assemblies of switchgear and control panels for the purpose of electrical termination. They are designed for amperages and voltages applicable to electrical equipment used on rolling stock or material handling vehicles.

The EKS127 Series terminal bolts can be used as individual terminals or mounted onto a rail to form a terminal block, where connections are made by cable lugs, terminal tags, or bus bar. They are also suitable as insulated mounting support for switching elements or in other electrical components.

Applications

- Mounting and distribution panels
- Terminal blocks
- Keylock switches
- Emergency disconnect switches

Features

- 4 different sizes available
- Rugged Design
- Fastened with 2 M4 screws or mounting on rail
- Base of terminal bolt flame retardant to UL 94 V-0

Specifications EKS127 a /N, EKS127 b /N, EKS127 c /N, EKS127 d /N



S135 Series emergency disconnect switch: Two terminal bolts are used for electrical connection as well as mechanical connection between switching mechanism and cam-operated switching element.

Specifications	
Materials Base Terminal bolt	Polyamide, fibre glass reinforced Steel, zinc-plated
Temperature range	-20°C +70°C
Max. temperature of bolt	120°C
Rated insulation voltage U _i to IEC 60947-1 • when fastened with 2 M4 screws • when mounted on rail	OV3 / PD3: 800 V OV3 / PD2: 1,000 V OV3 / PD3: 630 V OV3 / PD2: 1,000 V
Conventional thermal current I _{th} • EKS127 a /N • EKS127 b /N • EKS127 c /N • EKS127 d /N	200 A 300 A 300 A 500 A
Mounting • Single terminal bolt, max. torque • Several bolts in series on rail	with 2 M4 screws 1.5 Nm with split ring
Other bolt sizes, max. torque	M 8 15 Nm M 10 25 Nm M 12 30 Nm



Ordering code Terminal bolts, split rings, spacer sleeves

Terminal bolt EKS127 a /N, EKS127 b /N, EKS127 c /N, EKS127 d /N

Ordering code	Bolt	Length	Weight
EKS127 a /N	M 8	20	24 g
EKS127 b /N	M 10	20	31 g
EKS127 c /N	M 10	30	37 g
EKS127 d /N	M 12	45	60 g

Rail mounting: Split ring for single terminal bolt

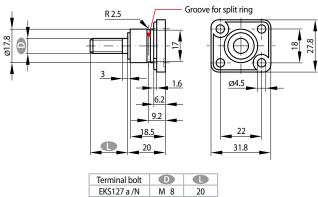
Ordering code	for use with Series
HR-abc	EKS127 a /N, EKS127 b /N, EKS127 c /N
HR-d	EKS127 d /N

Rail mounting: Spacer sleeve

Ordering code	for use with Series
DB-abc	EKS127 a /N, EKS127 b /N, EKS127 c /N
DB-d	EKS127 d /N

Dimension diagram Single terminal bolt, Accessories

Terminal bolt EKS127 a /N, EKS127 b /N, EKS127 c /N



Terminal bolt	•	
EKS127 a /N	M 8	20
EKS127 b /N	M 10	20
EKS127 c /N	M 10	30

Split ring HR-abc, HR-d





Split ring	A
HRC-abc	16
HRC-d	22

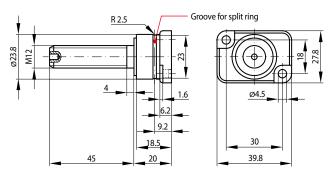
Spacer sleeve DB-abc, DB-d





Spacer sleeve	В
DB-abc	Ø22
DB-d	ø28

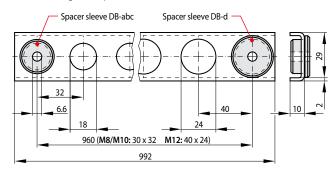
Terminal bolt EKS127 d/N



Cable lugs Please observe that the cable lugs must be mounted plane on top of each other.

Bolt size: Please observe the max. torque for the different bolt sizes as detailed in 'Specifications'.

Rail mounting (Example)



Single terminal bolt: The bolts are fastened with 2 M4 screws. Please observe max. torque: 1.5 Nm.

> Rail mounting: The bolt is put through the hole in the rail and its base fixed to the rail by means of a split ring.

Mounting of rail is done with the help of spacer sleeves DB-abc or DB-d. Note: Rails as shown in the diagram are no product of Schaltbau GmbH and must be ordered from commercial suppliers.

Schaltbau GmbH

For detailed information on our products and services visit our website – or give us a call!

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The production facilities of Schaltbau GmbH have been IRIS certified since 2008.

Certified to DIN EN ISO 14001 since 2002. For the most recent certificate visit our website. Certified to DIN EN ISO 9001 since 1994. For the most recent certificate visit our website.

Electrical Components and Systems for Railway Engineering and Industrial Applications

hallway Eligilieerilig and industrial Applications		
Connectors	 Connectors manufactured to industry standards 	
	 Connectors to suit the special requirements of communications engineering (MIL connectors) 	
	 Charging connectors for battery-powered machines and systems 	
	 Connectors for railway engineering, including UIC connectors 	
	■ Special connectors to suit customer requirements	
Snap-action switches	Snap-action switches with positive opening operation	
	 Snap-action switches with self-cleaning contacts 	
	■ Enabling switches	
	Special switches to suit customer requirements	
Contactors	■ Single and multi-pole DC contactors	
Contactors	■ High-voltage AC/DC contactors	
	 Contactors for battery powered vehicles and power supplies 	
	Contactors for railway applications	
	■ Terminal bolts and fuse holders	
	■ DC emergency disconnect switches	
	■ Special contactors to suit customer requirements	
	- Carriago ago far deireda agla	
Electrics for rolling stock	Equipment for driver's cabEquipment for passenger use	
	Equipment for passenger useHigh-voltage switchgear	
	■ High-voltage switchgear	
	■ High-voltage readers ■ High-voltage roof equipment	
	■ Equipment for electric brakes	
	2 Equipment for electric branes	

Design and engineering of train electrics

to customer requirements