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Feed-through modular terminal block - BTO 38-3L-F - 3281208

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Feed-through modular terminal block, 3 units, blocked with flange cover, nom. voltage: 690 V, nominal current: 125 A, connection method: Ring cable lug, number of connections: 6, width: 77.2 mm, height: 51 mm, color: black, mounting type: Direct mounting with flange

Your advantages

☑ Reduction in logistics costs with the uniform CLIPLINE complete system accessories

☑ Maximum overview thanks to extensive marking and labeling of every terminal point

☑ Safety for users thanks to integrated shock protection

☑ Easy potential distribution with time-saving jumper system

☑ Convenient ring cable lug connection thanks to the screw connection principle with spring-guided screw; maintenance-free with integrated screw locking

RoHS

Key Commercial Data

Packing unit	1
GTIN	4 055626 406978
GTIN	4055626406978
Custom tariff number	85369010

Technical data

General

Number of levels	1
Number of connections	6
Potentials	3
Nominal cross section	35 mm²
Color	black
Insulating material	PC

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Technical data

General

Flammability rating according to UL 94	V0
Rated surge voltage	8 kV
Degree of pollution	3
Overvoltage category	III
Insulating material group	IIIa
Maximum power dissipation for nominal condition	4.06 W (the value is based on one connection block and is multiplied according to the pin assignment)
Maximum load current	125 A
Nominal current I_N	125 A
Nominal voltage U_N	690 V
Open side panel	Yes

Dimensions

Width	77.2 mm
Length	82.4 mm
Height	51 mm
Height NS 35/7,5	66 mm
Height NS 35/15	58.5 mm
Pitch	26 mm

Connection data

Connection method	Ring cable lug
Stripping length	The stripping length depends on the specification provided by the cable lug manufacturer.
Connection in acc. with standard	IEC 60947-7-1
Cable lug connection according to standard	DIN 46235:1983-07
Min. cross section for cable lug connection	1.5 mm²
Max. cross section for cable lug connection	35 mm²
AWG min	20
AWG max	2
Hole diameter, min.	8.4 mm
Cable lug width, max.	23.7 mm
Bolt diameter	8 mm
Screw thread	M8
Tightening torque, min	10 Nm
Tightening torque max	13.5 Nm
Connection in acc. with standard	JIS 8207-7-1
Cable lug connection according to standard	JIS 8207-7-1
Min. cross section for cable lug connection	1.25 mm²

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Connection data

Max. cross section for cable lug connection	38 mm²
Hole diameter, min.	8.4 mm
Cable lug width, max.	23.7 mm
Bolt diameter	8 mm
Screw thread	M8
Tightening torque, min	10 Nm
Tightening torque max	13.5 Nm

Ambient conditions

Operating temperature	-60 °C ... 85 °C
Ambient temperature (storage/transport)	-25 °C ... 55 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Permissible humidity (storage/transport)	30 % ... 70 %
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C

Standards and Regulations

Connection in acc. with standard	IEC 60947-7-1
	JIS 8207-7-1
Flammability rating according to UL 94	V0

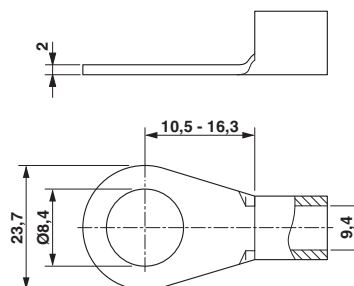### Environmental Product Compliance

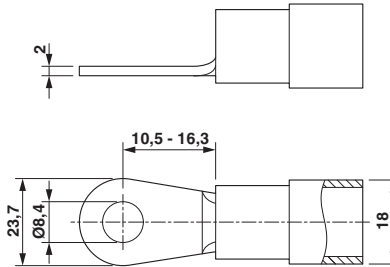| China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Circuit diagram

Dimensional drawing

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Dimensional drawing

Classifications

eCl@ss

eCl@ss 10.0.1	27141120
eCl@ss 11.0	27141120
eCl@ss 4.0	27141120
eCl@ss 4.1	27141120
eCl@ss 5.0	27141120
eCl@ss 5.1	27141120
eCl@ss 6.0	27141100
eCl@ss 7.0	27141120
eCl@ss 9.0	27141120

ETIM

ETIM 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	EC000897
ETIM 6.0	EC000897
ETIM 7.0	EC000897

UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410
UNSPSC 13.2	39121410
UNSPSC 18.0	39121410
UNSPSC 19.0	39121410
UNSPSC 20.0	39121410
UNSPSC 21.0	39121410

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Approvals

Approvals

Approvals	
EAC	

Ex Approvals	

Approval details

EAC	EAC	RU C-DE.BL08.B.00541