Feed-through terminal block - BTH 1,25-F - 3281104

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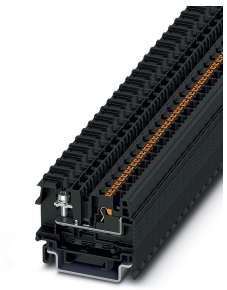

Feed-through terminal block, with flange on the left-hand side, connection method: Ring cable lug, Push-in connection, width: 15.5 mm, color: black, mounting: NS 35/7,5, NS 35/15, Screw on directly or on DIN rail

Your advantages

- Reduction in logistics costs with the uniform CLIPLINE complete system accessories
- Flexible use, thanks to DIN rail and direct mounting
- 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
- Easy and tool-free direct plug-in thanks to push-in multi-conductor connection
- Convenient ring cable lug connection thanks to the screw connection principle with spring-guided screw; maintenance-free with integrated screw locking
- Free choice of connection technology – meet requirements for internal and external wiring at the same time thanks to different connection methods in a single terminal block

RoHS

Key Commercial Data

Packing unit	1
GTIN	4 055626 620565
GTIN	4055626620565
Custom tariff number	85369010

Technical data

General

Number of levels	1
Number of connections	3

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Technical data

General

Nominal cross section	1.5 mm²
Color	black
Insulating material	PC
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	0.56 W
Connection method	Ring cable lug
Connection in acc. with standard	IEC 60947-7-1
Maximum load current	17.5 A
Nominal current I_N	17.5 A
Nominal voltage U_N	690 V
Connection method	Push-in connection
Connection in acc. with standard	IEC 60947-7-1
Maximum load current	17.5 A (The maximum load current must not be exceeded by the total current of all connected conductors.)
Nominal current I_N	17.5 A
Nominal voltage U_N	690 V
Open side panel	Yes

Dimensions

Width	15.5 mm
Length	42 mm
Pitch	7 mm
Height NS 35/7,5	33.5 mm
Height NS 35/15	41 mm

Connection data

Connection method	Ring cable lug
Connection in acc. with standard	IEC 60947-7-1
Stripping length	The stripping length depends on the specification provided by the cable lug manufacturer.
Cable lug connection according to standard	DIN 46234:1980-03
Min. cross section for cable lug connection	0.14 mm²
Max. cross section for cable lug connection	1.5 mm²
AWG min	26
AWG max	16

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Technical data

Connection data

Hole diameter, min.	3.2 mm
Cable lug width, max.	5.8 mm
Bolt diameter	3 mm
Screw thread	M3
Tightening torque, min	0.6 Nm
Tightening torque max	1 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	0.5 mm²
Max. cross section for cable lug connection	1.25 mm²
Hole diameter, min.	3.2 mm
Cable lug width, max.	5.8 mm
Bolt diameter	3 mm
Screw thread	M3
Tightening torque, min	0.6 Nm
Tightening torque max	1 Nm
Nominal cross section	1.25 mm²
Connection method	Push-in connection
Connection in acc. with standard	IEC 60947-7-1
Stripping length	8 mm ... 9 mm
Conductor cross section solid min.	0.14 mm²
Conductor cross section solid max.	1.5 mm²
Conductor cross section AWG min.	26
Conductor cross section AWG max.	16
Conductor cross section flexible min.	0.14 mm²
Conductor cross section flexible max.	1.5 mm²
Min. AWG conductor cross section, flexible	26
Max. AWG conductor cross section, flexible	16
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.14 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	1.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.14 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	0.75 mm²
Conductor cross section solid min.	0.25 mm²
Conductor cross section solid max.	1.5 mm²
Conductor cross section AWG min.	22
Conductor cross section AWG max.	16
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.25 mm²

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Technical data

Connection data

Conductor cross section flexible, with ferrule with plastic sleeve max.	0.75 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	1.5 mm²
Connection in acc. with standard	JIS 8207-7-1
Conductor cross section solid min.	0.5 mm²
Conductor cross section solid max.	1.2 mm²
Conductor cross section flexible min.	0.5 mm²
Conductor cross section flexible max.	1.25 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	1.25 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	0.75 mm²
Connection cross sections directly pluggable	0.5 mm² 1.2 mm²
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.5 mm²
Conductor cross section flexible, with ferrule with plastic sleeve max.	0.75 mm²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.5 mm²
Conductor cross section flexible, with ferrule without plastic sleeve max.	1.25 mm²

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
	IEC 60947-7-1
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

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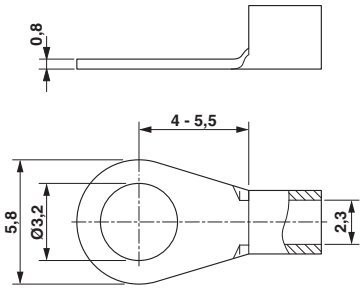
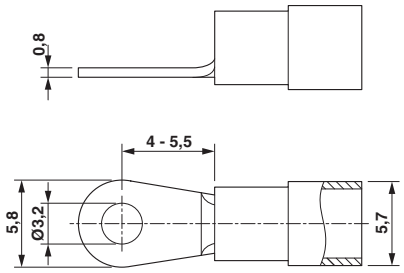
Circuit diagram

Dimensional drawing



Dimensional drawing



Classifications

eCl@ss

eCl@ss 10.0.1	27141120
eCl@ss 11.0	27141120
eCl@ss 4.0	27141121
eCl@ss 4.1	27141121
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 3.0	EC000897
ETIM 4.0	EC000897
ETIM 6.0	EC000897
ETIM 7.0	EC000897

UNSPSC

UNSPSC 6.01	30211811

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Classifications

UNSPSC

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

Approvals

Approvals

Approvals

UL Recognized / EAC

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425

	B	C
Nominal voltage UN	300 V	300 V
Nominal current IN	10 A	10 A
mm²/AWG/kcmil	26-16	26-16

EAC		RU C-DE.BL08.B.00644