

Ex feed-through terminal ATEX-certified, Screw connection, Mounting type: Mounting rail TS 35/7.5 and TS 32, Rated cross-section: 150 mm², Width: 31 mm, Colour: Beige

Business data

Article number	<u>1477.2</u>
Article name	45 150 Ex BG
GTIN (EAN)	4044211107864
Explosion-proof version (EEx e)	yes
Packaging unit	5
Quantity unit	PC
Weight per piece (not including packaging)	291.2 g
Weight per piece (including packaging)	312.4 g
Unit of weight	G
Customs number	85369010
Country of origin	DE
Prio-Article	1477.2
Product description	Ex feed-through terminal ATEX-certified

Technical data

Dimensions

Length	93 mm
Width	31 mm
Height TS 35/7.5	112.8 mm
Height TS 32	118.5 mm

Ratings

Rated voltage	1000 V
Rated current	309 A
Rated cross-section	150 mm ²
Rated impulse voltage	8 kV
Overvoltage category	III
Contamination degree	3
Maximum power dissipation for nominal condition	9.89 W

Connection data

Connection principle	Screw connection
Connection position	Lateral
Connections	2
Number of terminals per level	2
Number of levels	1
Wire cross-section single-core (rigid) / stranded, min.	25 mm ²
Wire cross-section single core (rigid)/stranded, max.	150 mm ²
Wire cross-section stranded, min.	50 mm ²
Wire cross-section stranded, max.	95 mm ²
Wire cross-section stranded with wire-end ferrules, min.	35 mm ²
Wire cross-section stranded with wire-end ferrules, max.	150 mm ²
Wire cross-section AWG, min.	2
Wire cross-section AWG, max.	300 Kcmil
Stripping length	38 mm
Screw head	Inner hex (Allen)
Screw threading	M 10
Tightening torque, min.	14 Nm
Tightening torque, max.	20 Nm

Technical data

Materials

Insulation housing	Polyamide 6.6
Flammability class UL 94	V-2
Working temperature, min.	-40 °C
Working temperature, max.	105 °C

Further technical data

Mounting type	Mounting rail TS 35/7.5 and TS 32
Gauge plug acc. to EN 60 947-1	B14

Environmental Product Compliance

REACH Conform	Yes, yes
REACH Reference date	2024-06-27, 2024-06-27
REACH Candidate Substance Note	No
RoHS Conform	Yes, yes

Approvals

Standards and regulations

ATEX certification number	TÜV ATEX 7092 U
EAC approval	TR ZU 004/2011
EAC approval granted	yes

CSA approval

CSA approval	C22.2 No 158
CSA approval granted	yes
CSA Usegroup C: rated voltage	600 V
CSA Usegroup C: rated current	275 A
CSA wire cross-section AWG, min.	2
CSA wire cross-section AWG, max.	300 Kcmil
CSA stripping length	38 mm
CSA File Number	042110_0_000

CSAus approval

CSAus approval	UL 1059
CSAus approval granted	yes
CSAus Usegroup C: rated voltage	600 V
CSAus Usegroup C: rated current	275 A
CSAus wire cross-section AWG, min.	2
CSAus wire cross-section AWG, max.	300 Kcmil
CSAus stripping length	38 mm
CSAus File Number	042110_0_000

KEMA KEUR approval

KEMA KEUR approval	EN 60947-7-1:2009
KEMA KEUR approval granted	yes
KEMA rated voltage	1000 V
KEMA rated current	309 A
KEMA rated impulse voltage	12 kV
KEMA wire cross-section single core (rigid), min.	35 mm ²
KEMA wire cross-section single-core (rigid), max.	150 mm ²
KEMA wire cross-section stranded, min.	35 mm ²
KEMA wire cross-section stranded, max.	150 mm ²
KEMA stripping length	38 mm
KEMA torque, min.	14 Nm
KEMA torque, max.	20 Nm

Approvals

UL Recognized

UL approval	UL 1059
UL Usegroup B: rated voltage	600 V
UL Usegroup B: rated current	275 A
UL Usegroup C: rated voltage	600 V
UL Usegroup C: rated current	275 A
UL wire cross-section single-core (rigid) AWG, min.	2
UL wire cross-section single-core (rigid) AWG, max.	350 Kcmil
UL wire cross-section stranded AWG, min.	2
UL wire cross-section stranded AWG, max.	350 Kcmil
UL torque	142 Lb In
UL wire material	Cu
UL factory wiring	1
UL File Number	E95701
UL Recognized	1

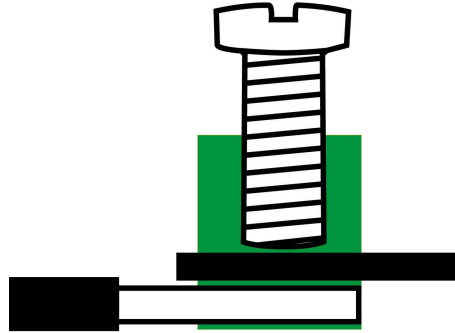
German Lloyd approval

DNV GL Certificate number	TAE000014T
DNV GL Location Classes	Temperature: B, Humidity: B, Vibration: A
DNV GL approval granted	1
DNV GL rated cross-section	150 mm ²
DNV GL rated current	275 A
DNV GL rated voltage	600 V
DNV GL test standard	IEC 60947-7-1:2002

Media



M10



EAC



Accessories

Cover



Cover, Length: 60 mm, Width: 21 mm, Colour: Yellow

Article number	Article name	GTIN (EAN)	Packaging unit
<u>2806.0</u>	AD 1/150/B YE	4044211055363	20 ST

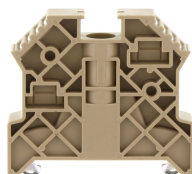
Inlay profile



Inlay plate, Colour: natural

Article number	Article name	GTIN (EAN)	Packaging unit
<u>2277.0</u>	EP 150	4044211050849	10 ST

End stop



End stop, Mounting type: Mounting rail TS 35/7.5, Width: 9.5 mm, Colour: Beige

Article number	Article name	GTIN (EAN)	Packaging unit
<u>2828.0</u>	ES 35/K/ST BG	4044211055547	50

Allen key socket wrench



Inner hex key with bare blade

Article number	Article name	GTIN (EAN)	Packaging unit
<u>2773.0</u>	ISKS 8	4044211055035	1 ST

Measurement pick-off terminal



Measurement pick-off terminal, Screw connection, Mounting type: On base, Rated cross-section: 10 mm², Width: 10 mm, Colour: Beige

Article number	Article name	GTIN (EAN)	Packaging unit
<u>1125.2</u>	MAG 150/240 BG	4044211080921	10 ST

Insulated cross-connector



External insulated cross-connector, No. of poles: 2, Mounting type: Plug in, Width: 56.13 mm, Rated current: 309 A; Colour: Yellow

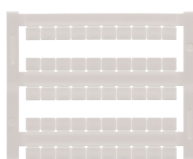
Article number	Article name	GTIN (EAN)	Packaging unit
<u>2767.2</u>	AQI 2/150 YE	4044211054977	5



External insulated cross-connector, No. of poles: 3, Mounting type: Plug in, Width: 87.9 mm, Rated current: 309 A; Colour: Yellow

Article number	Article name	GTIN (EAN)	Packaging unit
<u>2768.2</u>	AQI 3/150 YE	4044211054984	5

Quick marking



Terminal marker / Pocket Maxicard, Length: 5 mm, Width: 6 mm, Colour: White

Article number	Article name	GTIN (EAN)	Packaging unit
<u>4702.7</u>	PMC SB 6/50 WH	4044211089986	500 ST