

Data sheet

17004.2 HSK 120/M12 B BG



High-power stud terminal, Stud connection, Mounting type: Mounting rail TS 35/7.5, Rated cross-section: 120 mm², Width: 32 mm, Colour: Beige

Business data

Article number	17004.2
Article name	HSK 120/M12 B BG
GTIN (EAN)	4044211131494
Packaging unit	10
Quantity unit	PC
Weight per piece (not including packaging)	104.5 g
Weight per piece (including packaging)	114.39 g
Unit of weight	G
Customs number	85369010
Country of origin	DE
Product description	High-power stud terminal
Colour	Beige

Technical data

Dimensions

Length	67 mm
Length with TW/ADH	67 mm
Width	32 mm
Height TS 35/7.5	73.5 mm
Height TS 35/7.5 with TW/ADH	76 mm

Ratings

Rated voltage	1000 V
Rated current	269 A
Rated cross-section	120 mm ²
Rated impulse voltage	8 kV
Overvoltage category	III
Contamination degree	3
Maximum power dissipation for nominal condition	8.61 W

Connection data

Connection principle	Stud connection
Connection position	Top
Connections	1
Number of terminals per level	1
Number of levels	1
Wire cross-section AWG, min.	10
Wire cross-section AWG, max.	250 Kcmil
Bolt head	Hexagon
Bolt thread	M 10
Tightening torque, min.	14 Nm
Tightening torque, max.	31 Nm
Contact wire range	? 120 mm ²

Materials

Insulation housing	Polyamide 6.6
Flammability class UL 94	V-0
Working temperature, min.	-40 °C
Working temperature, max.	120 °C

Technical data

Further technical data

Mounting type	Mounting rail TS 35/7,5
Number of cross-connection channels	1
DIN 46234 / 1 cable lug per side, min.	6 mm ²
DIN 46234 / 1 cable lug per side, max.	120 mm ²
DIN 46234 / 2 cable lugs per side, min.	6 mm ²
DIN 46234 / 2 cable lugs per side, max.	120 mm ²
DIN 46235: 1 cable lug per side, max.	95 mm ²
DIN 46235: 1 cable lug per side, min.	10 mm ²
DIN 46235: 2 cable lugs per side, min.	10 mm ²
DIN 46235: 2 cable lugs per side, max.	95 mm ²

Environmental Product Compliance

REACH Conform	yes
REACH Reference date	2023-01-17
REACH Candidate Substance Note	No
RoHS Conform	yes

Approvals

Standards and regulations

EAC approval	TR ZU 004/2011
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EAC approval granted	yes
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CSA approval

CSA approval	C22.2 No 158
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CSA approval granted	yes
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CSA Usegroup C: rated voltage	1000 V
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CSA Usegroup C: rated current	220 A
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CSA Usegroup D: rated voltage	1000 V
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CSA Usegroup D: rated current	220 A
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CSA wire cross-section AWG, max.	2/0
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CSA torque, max.	20.3 Nm
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CSAus approval

CSAus approval	UL 1059
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CSAus approval granted	yes
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CSAus Usegroup C: rated voltage	1000 V
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CSAus Usegroup C: rated current	220 A
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CSAus Usegroup D: rated voltage	1000 V
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CSAus Usegroup D: rated current	220 A
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CSAus wire cross-section AWG, max.	2/0
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CSAus torque, max.	20.3 Nm
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cUL Recognized

cUL approval	C22.2 No 158
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cUL Usegroup E: rated voltage	1000 V
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cUL Usegroup E: rated current	220 A
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cUL wire cross-section AWG, max.	250 Kcmil
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cUL torque, max.	20.3 Nm
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cUL wire material	Cu
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cUL Recognized	1
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Approvals

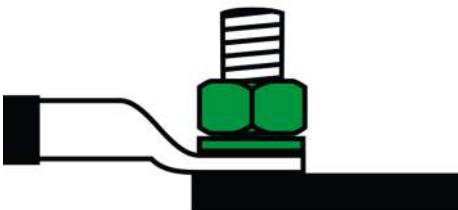
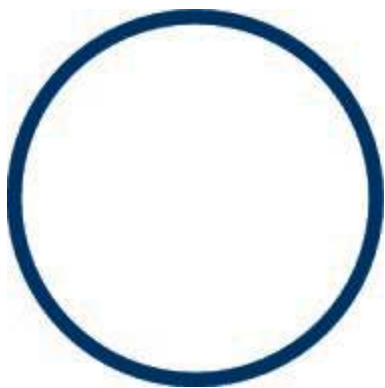
KEMA KEUR approval

KEMA KEUR approval	EN 60947-7-1:2009
KEMA KEUR approval granted	yes
KEMA rated voltage	1000 V
KEMA rated current	269 A
KEMA rated impulse voltage	8 kV
KEMA wire cross-section (DIN 46234), min.	6 mm ²
KEMA wire cross-section (DIN 46234), max.	120 mm ²
KEMA wire cross-section (DIN 46235), min.	10 mm ²
KEMA wire cross-section (DIN 46235), max.	95 mm ²

UL Recognized

UL approval	UL 1059
UL Usegroup E: rated voltage	1000 V
UL Usegroup E: rated current	255 A
UL wire cross-section AWG, max.	250 Kcmil
UL torque, max.	179.7 Lb In.
UL wire material	Cu
UL factory wiring	1
UL field wiring	1
UL Recognized	1

Media



Accessories

Protective hood



Cover profile, Length: 156 mm, Width: 32 mm, Colour: Yellow

Article number	Article name	GTIN (EAN)	Packaging unit
<u>17026.8</u>	AD 120 YE	4044211131715	20 ST

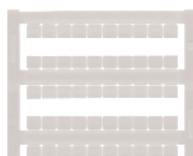
End stop



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

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

Partition plate



Partition plate, Width: 2 mm, Colour: Beige

Article number	Article name	GTIN (EAN)	Packaging unit
<u>17018.2</u>	TW 16-120 BG	4044211131630	20 ST



Partition plate, Width: 2 mm, Colour: Beige

Article number	Article name	GTIN (EAN)	Packaging unit
<u>17022.2</u>	TW 35-120/B/B BG	4044211131678	20 ST