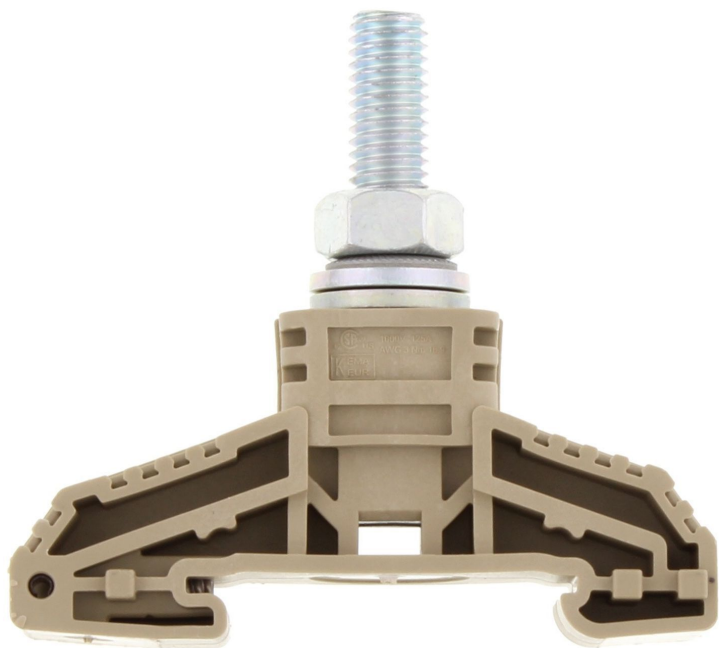


# Data sheet

## 17002.2 HSK 50/M8 B BG



High-power stud terminal, Stud connection, Mounting type: Mounting rail TS 35/7.5, Rated cross-section: 50 mm², Width: 21 mm, Colour: Beige

### Business data

Article number	<u>17002.2</u>
Article name	HSK 50/M8 B BG
GTIN (EAN)	4044211131470
Packaging unit	10
Quantity unit	PC
Weight per piece (not including packaging)	45.1 g
Weight per piece (including packaging)	50.64 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	21 mm
Height TS 35/7.5	63.5 mm
Height TS 35/7.5 with TW/ADH	66 mm

#### Ratings

Rated voltage	1000 V
Rated current	150 A
Rated cross-section	50 mm <sup>2</sup>
Rated impulse voltage	8 kV
Overvoltage category	III
Contamination degree	3
Maximum power dissipation for nominal condition	4.8 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.	14
Wire cross-section AWG, max.	1/0
Bolt head	Hexagon
Bolt thread	M 8
Tightening torque, min.	6 Nm
Tightening torque, max.	12 Nm
Contact wire range	≤ 50 mm <sup>2</sup>

#### 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.	2.5 mm <sup>2</sup>
DIN 46234 / 1 cable lug per side, max.	50 mm <sup>2</sup>
DIN 46234 / 2 cable lugs per side, min.	2.5 mm <sup>2</sup>
DIN 46234 / 2 cable lugs per side, max.	50 mm <sup>2</sup>
DIN 46235: 1 cable lug per side, max.	35 mm <sup>2</sup>
DIN 46235: 1 cable lug per side, min.	6 mm <sup>2</sup>
DIN 46235: 2 cable lugs per side, min.	6 mm <sup>2</sup>
DIN 46235: 2 cable lugs per side, max.	35 mm <sup>2</sup>

#### Environmental Product Compliance

REACH Conform	yes
REACH Reference date	2023-06-14
REACH Candidate Substance Note	No
RoHS Conform	yes

### Approvals

#### Standards and regulations

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	1000 V
CSA Usegroup C: rated current	125 A
CSA Usegroup D: rated voltage	1000 V
CSA Usegroup D: rated current	125 A
CSA wire cross-section AWG, max.	3
CSA torque, max.	16.9 Nm

#### CSAus approval

CSAus approval	UL 1059
CSAus approval granted	yes
CSAus Usegroup C: rated voltage	1000 V
CSAus Usegroup C: rated current	125 A
CSAus Usegroup D: rated voltage	1000 V
CSAus Usegroup D: rated current	125 A
CSAus wire cross-section AWG, max.	3
CSAus torque, max.	16.9 Nm

#### cUL Recognized

cUL approval	C22.2 No 158
cUL Usegroup E: rated voltage	1000 V
cUL Usegroup E: rated current	145 A
cUL wire cross-section AWG, max.	1/0
cUL torque, max.	16.9 Nm
cUL wire material	Cu
cUL Recognized	1

### Approvals

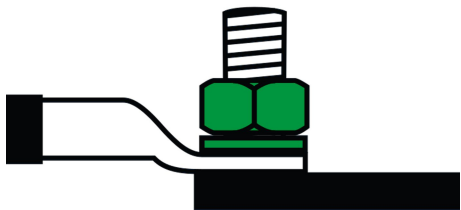
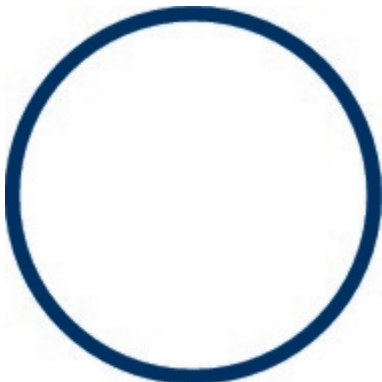
#### KEMA KEUR approval

KEMA KEUR approval	EN 60947-7-1:2009
KEMA KEUR approval granted	yes
KEMA rated voltage	1000 V
KEMA rated current	150 A
KEMA rated impulse voltage	8 kV
KEMA wire cross-section (DIN 46234), min.	2.5 mm <sup>2</sup>
KEMA wire cross-section (DIN 46234), max.	50 mm <sup>2</sup>
KEMA wire cross-section (DIN 46235), min.	6 mm <sup>2</sup>
KEMA wire cross-section (DIN 46235), max.	35 mm <sup>2</sup>

#### UL Recognized

UL approval	UL 1059
UL Usegroup E: rated voltage	1000 V
UL Usegroup E: rated current	150 A
UL wire cross-section AWG, max.	1/0
UL torque, max.	149.6 Lb In.
UL wire material	Cu
UL factory wiring	1
UL field wiring	1
UL Recognized	1

Media



### Accessories

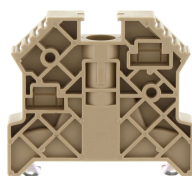
#### Protective hood



Cover profile, Length: 75 mm, Width: 21 mm, Colour: Yellow

Article number	Article name	GTIN (EAN)	Packaging unit
<u>17021.8</u>	AD 50 YE	4044211131661	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

#### Cross-connector



Cross-connector, No. of poles: 3, Mounting type: Can be screwed on, Width: 64 mm, Rated cross-section: 50 mm<sup>2</sup>, Colour: natural

Article number	Article name	GTIN (EAN)	Packaging unit
<u>17013.0</u>	QS 3/50	4044211131586	10 ST



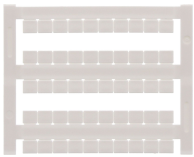
Cross-connector, No. of poles: 2, Mounting type: Can be screwed on, Width: 41 mm, Rated cross-section: 50 mm<sup>2</sup>, Colour: natural

Article number	Article name	GTIN (EAN)	Packaging unit
<u>17012.0</u>	QS 2/50	4044211131579	10 ST

# Data sheet

## 17002.2 HSK 50/M8 B BG

### 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>17022.2</u>	TW 35-120/B/B BG	4044211131678	20 ST