Data sheet

3277.2 FRKI 6-10 BG

Feed-through installation terminal, Push-in connection, Mounting type: Mounting rail TS 35/7.5, Rated cross-section: 10 mm², Width: 8.1 mm, Colour: Beige

Business data

Article number	3277.2
Article name	FRKI 6-10 BG
GTIN (EAN)	4044211139032
Packaging unit	100
Quantity unit	PC
Weight per piece (not including packaging)	14 g
Weight per piece (including packaging)	14.25 g
Unit of weight	G
Customs number	85369010
Country of origin	BG
Prio-Article	3277.2
Product description	Feed-through installation terminal

Data sheet
3277.2 FRKI 6-10 BG

Technical data

Dimensions

Length	56.5 mm
Width	8.1 mm
Height	39.8 mm
Height TS 35/7.5	40.5 mm

Ratings

Rated voltage	800 V
Rated current	57 A
Rated cross-section	10 mm²
Rated impulse voltage	8 kV
Overvoltage category	III
Contamination degree	3
Maximum power dissipation for nominal condition	1.82 W

Connection data

Connection principle	Push-in connection
Connection position	Top
Connections	2
Number of terminals per level	2
Number of levels	1
Wire cross-section single-core (rigid) / stranded, min.	1.5 mm²
Wire cross-section single core (rigid)/stranded, max.	10 mm²
Wire cross-section stranded, min.	1.5 mm²
Wire cross-section stranded, max.	10 mm²
Wire cross-section stranded with wire-end ferrules, min.	1.5 mm²
Wire cross-section stranded with wire-end ferrules, max.	10 mm²
Wire cross-section AWG, min.	22
Wire cross-section AWG, max.	10
Stripping length	12 mm

Materials

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

Data sheet

3277.2 FRKI 6-10 BG

Technical data

Further technical data

Insulation housing	Polyamide 6.6
Flammability class UL 94	V-0
Working temperature, min.	-40 °C
Working temperature, max.	120 °C
Mounting type	Mounting rail TS 35/7,5
Gauge plug acc. to EN 60 947-1	A5
Number of cross-connection channels	2
End plate required	✓
Maximum power dissipation for nominal condition	1.82 W

Environmental Product Compliance

REACH Conform	yes
REACH Reference date	2022-01-07, 2022-06-10
REACH Candidate Substance Note	No
RoHS Conform	yes

Data sheet

3277.2 FRKI 6-10 BG

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	600 V
CSA Usegroup C: rated current	44 A
CSA wire cross-section AWG, min.	22
CSA wire cross-section AWG, max.	8
CSA stripping length	12 mm

CSAus approval

CSAus approval	UL 1059
CSAus approval granted	yes
CSAus Usegroup C: rated voltage	600 V
CSAus Usegroup C: rated current	44 A
CSAus wire cross-section AWG, min.	22
CSAus wire cross-section AWG, max.	8
CSAus stripping length	12 mm

cUL Recognized

cUL approval	C22.2 No 158
cUL Usegroup B: rated voltage	600 V
cUL Usegroup B: rated current	44 A
cUL Usegroup C: rated voltage	600 V
cUL Usegroup C: rated current	44 A
cUL Usegroup D: rated voltage	600 V
cUL Usegroup D: rated current	44 A
cUL wire cross-section single-core (rigid) AWG, min.	20
cUL wire cross-section single-core (rigid) AWG, max.	8
cUL wire cross-section stranded AWG, min.	20
cUL wire cross-section stranded AWG, max.	8
cUL wire material	Cu
cUL Recognized	1

Data sheet

3277.2 FRKI 6-10 BG

Approvals

KEMA KEUR approval

|	
KEMA KEUR approval	EN 60947-7-1:2009
KEMA KEUR approval granted	yes
KEMA rated voltage	800 V
KEMA rated current	57 A
KEMA rated impulse voltage	8 kV
KEMA wire cross-section single core (rigid), min.	1.5 mm²
KEMA wire cross-section single-core (rigid), max.	10 mm²
KEMA wire cross-section stranded, min.	1.5 mm²
KEMA wire cross-section stranded, max.	10 mm²

UL Recognized

UL approval	UL 1059
UL Usegroup B: rated voltage	600 V
UL Usegroup B: rated current	44 A
UL Usegroup C: rated voltage	600 V
UL Usegroup C: rated current	44 A
UL Usegroup D: rated voltage	600 V
UL Usegroup D: rated current	44 A
UL wire cross-section single-core (rigid) AWG, min.	20
UL wire cross-section single-core (rigid) AWG, max.	8
UL wire cross-section stranded AWG, min.	8
UL wire cross-section stranded AWG, max.	20
UL wire material	Cu
UL factory wiring	1
UL field wiring	1
UL Recognized	1

Media

Data sheet

3277.2 FRKI 6-10 BG
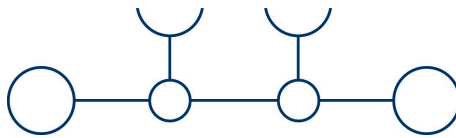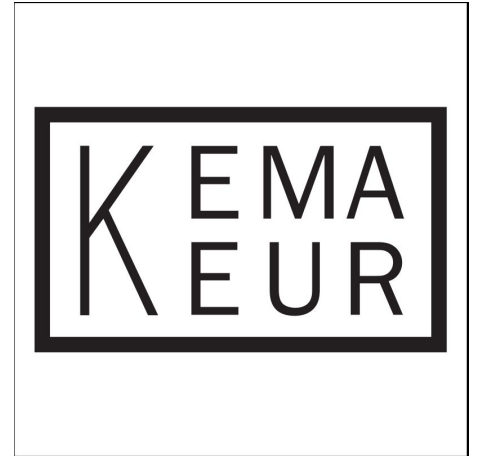
Accessories

End plate

End plate, Width: 1.5 mm, Colour: Beige

Article number	Article name	GTIN (EAN)	Packaging unit
3485.2	FAPI 6-10/2A BG	4044211176754	20

Wire-end ferrule for compact connection spaces

Wire-end ferrules, Max. wire cross-section: 10 mm², Length: 22 mm, Length of copper pipe: 12 mm, Colour: Ivory

Article number	Article name	GTIN (EAN)	Packaging unit
3026.0	H 10,0/22-D SR IV	4044211184049	100 ST

End stop

End stop, Mounting type: Mounting rail TS 35/7.5 and TS 35/15, Width: 5 mm, Colour: Beige

Article number	Article name	GTIN (EAN)	Packaging unit
3811.2	ZES 35/2 BG	4044211080600	50

Insulated cross-connector

Insulated cross-connector, No. of poles: 10, Mounting type: Plug in, Width: 78.6 mm, Colour: Yellow

Article number	Article name	GTIN (EAN)	Packaging unit
17410.8	FIQI 6-10/10 YE	4044211177935	10 ST

Insulated cross-connector, No. of poles: 3, Mounting type: Plug in, Width: 21.9 mm, Colour: Yellow

Article number	Article name	GTIN (EAN)	Packaging unit
17413.8	FIQI 6-10/3 YE	4044211177959	50 ST

Data sheet

3277.2 FRKI 6-10 BG

Insulated cross-connector

Insulated cross-connector, No. of poles: 9, Mounting type: Plug in, Width: 70.5 mm, Colour: Yellow

Article number	Article name	GTIN (EAN)	Packaging unit
17419.8	FIQI 6-10/9 YE	4044211178017	10 ST

Insulated cross-connector, No. of poles: 2, Mounting type: Plug in, Width: 13.8 mm, Colour: Yellow

Article number	Article name	GTIN (EAN)	Packaging unit
17412.8	FIQI 6-10/2 YE	4044211177942	50 ST

Insulated cross-connector, No. of poles: 5, Mounting type: Plug in, Width: 38.1 mm, Colour: Yellow

Article number	Article name	GTIN (EAN)	Packaging unit
17415.8	FIQI 6-10/5 YE	4044211177973	20 ST

Insulated cross-connector, No. of poles: 8, Mounting type: Plug in, Width: 62.4 mm, Colour: Yellow

Article number	Article name	GTIN (EAN)	Packaging unit
17418.8	FIQI 6-10/8 YE	4044211178000	10 ST

Insulated cross-connector, No. of poles: 6, Mounting type: Plug in, Width: 46.2 mm, Colour: Yellow
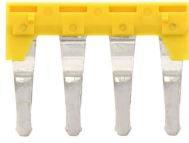
Article number	Article name	GTIN (EAN)	Packaging unit
17416.8	FIQI 6-10/6 YE	4044211177980	20 ST

Insulated cross-connector, No. of poles: 7, Mounting type: Plug in, Width: 54.3 mm, Colour: Yellow

Article number	Article name	GTIN (EAN)	Packaging unit
17417.8	FIQI 6-10/7 YE	4044211177997	20 ST

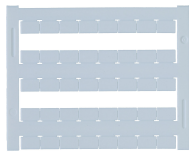# Data sheet

3277.2 FRKI 6-10 BG

Insulated cross-connector

Insulated cross-connector, No. of poles: 4, Mounting type: Plug in, Width: 30 mm, Colour: Yellow

Article number	Article name	GTIN (EAN)	Packaging unit
17414.8	FIQI 6-10/4 YE	4044211177966	20 ST

Quick marking

Terminal marker / Pocket Maxicard, Length: 5 mm, Width: 8 mm, Colour: White

Article number	Article name	GTIN (EAN)	Packaging unit
9323.7	PMC SB 8/40 WH	4044211129231	400 ST