



Feed-through installation terminal, Push-in connection, Mounting type: Mounting rail TS 35/7.5, Rated cross-section: 10 mm<sup>2</sup>, Width: 8.1 mm, Colour: Blue

## RAL: Ähnlich 5005

### **Business data**

Article number	3216.5
Article name	FRKI 6-10/3A BU
GTIN (EAN)	4044211199937
Packaging unit	50
Quantity unit	PC
Weight per piece (not including packaging)	26.84 g
Weight per piece (including packaging)	27.09 g
Unit of weight	G
Customs number	85369010
Country of origin	BG
Prio-Article	3216.2
Product description	Feed-through installation terminal



## **Technical data**

Width8.1 mmHeight39.8 mmHeight TS 35/7.540.5 mmRatings800 VRated voltage800 VRated voltage800 VRated current57 ARated current67 ARated cross-section10 mm²Rated inpulse voltage8 kVOvervoltage categoryIIIContamination degree3Maximum power dissipation for nominal condition1.82 WConnection dataConnectionConnection principlePush-In connectionConnection positionTopConnection sigle-core (rigid) / stranded, min.1.5 mm²Wire cross-section single-core (rigid)/stranded, max.10 mm²Wire cross-section stranded, min.1.5 mm²Wire cross-section stranded, min.1.5 mm²Wire cross-section stranded with wire-end ferrules, min.10 mm²Wire cross-section AttaG10 mm²Wire cross-section stranded with wire-end ferrules, min.16Wire cross-section hard with wire-end ferrules, min.12 mmWire cross-section hard with wire-end ferrules, max.8Stripping length12 mmMaterials12 mmMaterials12 mmMaterials12 mmHaterials14 mmFerrules14 mmFerrules14 mmStripping length12 mmMaterials12 mmWaterials14 mmFerrules14 mmFerrules14 mmStripping length140 °C <th>Dimensions</th> <th></th>	Dimensions	
Height39.8 mmHeight TS 35/7.540.5 mmRatings800 VRated voltage800 VRated current57 ARated cross-section10 mm²Rated impulse voltage8 kVOvervoltage categoryIIIConnatination degree3Maximup power dissipation for nominal condition1.82 WConnection principlePush-in connectionConnection positionTopConnection position10 mm²Connection position1Connection salle per level3Number of levels1Wire cross-section single-core (rigid) / stranded, min.1.5 mm²Wire cross-section stranded with wire-end ferrules, min.10 mm²Wire cross-section stranded with wire-end ferrules, max.10 mm²Wire cross-section AWG, min.16Wire cross-section AWG, max.8Stripping length12 mmMaterials12 mmMaxing length12 mmMaxing length40 °CWorking temperature, min40 °C	Length	82.4 mm
Height TS 35/7.5       40.5 mm         Ratings       800 V         Rated voltage       800 V         Rated current       57 A         Rated corss-section       10 mm²         Rated impulse voltage       8 kV         Overvoltage category       III         Contamination degree       3         Maximup power dissipation for nominal condition       1.82 W         Connection pation for nominal condition       1.82 W         Connection position       Top         Connection position       Top         Connection position       10 mm²         Write cross-section single-core (rigid) / stranded, min.       1.5 mm²         Wire cross-section stranded with wire-end ferrules, min.       10 mm²         min.       1.5 mm²         Wire cross-section AWG, min.       16         Wire cross-section AWG, max.       8         Stripping length       12 mm         Materials       12 mm         Mire cross-section AWG, max.       8         Stripping length       12 mm         Materials	Width	8.1 mm
Ratings         Rated voltage       800 V         Rated voltage       800 V         Rated current       57 A         Rated current       57 A         Rated impulse voltage       8 kV         Overvoltage category       III         Contamination degree       3         Maximum power dissipation for nominal condition       1.82 W         Connection data	Height	39.8 mm
Rated voltage800 VRated current57 ARated current57 ARated cross-section10 mm²Rated impulse voltage8 kVOvervoltage categoryIIIContamination degree3Maximum power dissipation for nominal condition1.82 WConnection dataConnection dataConnection positionTopConnection position70pConnections3Number of terminals per level3Number of levels1Wire cross-section single-core (rigid) / stranded, min.1.5 mm²Wire cross-section stranded, min.1.5 mm²Wire cross-section stranded, min.1.5 mm²Wire cross-section stranded with wire-end ferrules, min.1.0 mm²Wire cross-section AWG, min.1.6 mm²Wire cross-section AWG, min.16Wire cross-section AWG, min.12 mmMire cross-section AWG, min.12 mmMire cross-section AWG, min.16Wire cross-section AWG, min.10 mm²Wire cross-section AWG, min.10 mm²Wire cross-section AWG, min.16Wire cross-section AWG, min.12 mmMaterials12 mmWire cross-section AWG, max.8Stripping length12 mmMaterials10 m² CoInsulation housingPolyamide 6.6Flammability class UL 94V-0Working temperature, min40 °C	Height TS 35/7.5	40.5 mm
Rated current57 ARated cross-section10 mm²Rated impulse voltage8 kVOvervoltage categoryIIIContamination degree3Maximum power dissipation for nominal condition1.82 WConnection dataConnection dataConnection principlePush-in connectionConnection positionTopConnections3Number of terminals per level3Number of levels1Wire cross-section single-core (rigid) / stranded, min.1.5 mm²Wire cross-section stranded, min.1.5 mm²Wire cross-section stranded, min.1.5 mm²Wire cross-section stranded with wire-end ferrules, min.1.0 mm²Wire cross-section stranded with wire-end ferrules, min.1.0 mm²Wire cross-section AWG, min.16Wire cross-section AWG, max.8Stripping length12 mmMaterialsPolyamide 6.6Flammability class UL 94V-0Working temperature, min40 °C	Ratings	
Rated cross-section10 mm²Rated impulse voltage8 kVOvervoltage categoryIIIContamination degree3Maximum power dissipation for nominal condition1.82 WConnection dataConnection frincipleConnection principlePush-in connectionConnections3Number of terminals per level3Number of levels1Wire cross-section single-core (rigid) / stranded, min.1.5 mm²Wire cross-section stranded, min.1.5 mm²Wire cross-section stranded, min.1.5 mm²Wire cross-section stranded, min.1.5 mm²Wire cross-section stranded with wire-end ferrules, min.1.0 mm²Wire cross-section stranded with wire-end ferrules, min.1.0 mm²Wire cross-section stranded with wire-end ferrules, min.1.2 mm²Wire cross-section stranded with wire-end ferrules, max.1.2 mm²Wire cross-section stranded with wire-end ferrules, max.1.2 mmWire cross-section stranded with wire-end ferrules, max.1.2 mmWire cross-section stranded with wire-end ferrules, max.1.2 mmWire cross-section stranded with wire-end ferrules, max.<	Rated voltage	800 V
Rated impulse voltage8 kVOvervoltage categoryIIIContamination degree3Maximum power dissipation for nominal condition1.82 WConnection dataEConnection principlePush-in connectionConnection positionTopConnections3Number of terminals per level3Number of levels1Wire cross-section single-core (rigid) / stranded, min.1.5 mm²Wire cross-section stranded, min.1.5 mm²Wire cross-section stranded, min.1.5 mm²Wire cross-section stranded with wire-end ferrules, max.10	Rated current	57 A
Overvoltage categoryIIIContamination degree3Maximum power dissipation for nominal condition1.82 WConnection dataConnectionConnection principlePush-in connectionConnection positionTopConnections3Number of terminals per level3Number of levels1Wire cross-section single-core (rigid) / stranded, max.10 mm²Wire cross-section stranded, max.10 mm²Wire cross-section stranded, max.10 mm²Wire cross-section stranded with wire-end ferrules, max.1.5 mm²Wire cross-section AWG, min.16Wire cross-section AWG, max.8Stripping length12 mmMaterialsPolyamide 6.6Flammability class UL 94V-0Working temperature, min40 °C	Rated cross-section	10 mm <sup>2</sup>
Contamination degree3Maximum power dissipation for nominal condition1.82 WConnection dataPush-in connectionConnection principlePush-in connectionConnection positionTopConnections3Number of terminals per level3Number of levels1Wire cross-section single-core (rigid) / stranded, min.1.5 mm²Wire cross-section stranded, min.1.5 mm²Wire cross-section stranded, max.10 mm²Wire cross-section stranded, max.10 mm²Wire cross-section stranded, max.10 mm²Wire cross-section stranded with wire-end ferrules, min.1.5 mm²Wire cross-section AWG, min.16Wire cross-section AWG, min.16Wire cross-section AWG, max.8Stripping length12 mmMaterials12 mmMaterialsPolyamide 6.6Flammability class UL 94V-0Working temperature, min40 °C	Rated impulse voltage	8 kV
Maximum power dissipation for nominal condition       1.82 W         Connection data       Push-in connection         Connection principle       Push-in connection         Connection position       Top         Connections       3         Number of terminals per level       3         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 AWG, max.       10 mm²         Wire cross-section AWG, max.       8         Stripping length       12 mm         Materials       12 mm         Materials       Polyamide 6.6         Flammability class UL 94       V-0         Working temperature, min.       -40 °C	Overvoltage category	III
Connection dataConnection principlePush-in connectionConnection positionTopConnections3Number of terminals per level3Number of levels1Wire cross-section single-core (rigid) / stranded, min.1.5 mm²Wire cross-section single core (rigid)/stranded, max.10 mm²Wire cross-section stranded, min.1.5 mm²Wire cross-section stranded, max.10 mm²Wire cross-section stranded with wire-end ferrules, min.1.5 mm²Wire cross-section stranded with wire-end ferrules, max.10 mm²Wire cross-section stranded with wire-end ferrules, min.1.5 mm²Wire cross-section stranded with wire-end ferrules, max.10 mm²Wire cross-section AWG, min.16Wire cross-section AWG, max.8Stripping length12 mmMaterialsPolyamide 6.6Flammability class UL 94V-0Working temperature, min40 °C	Contamination degree	3
Connection principlePush-in connectionConnection positionTopConnections3Number of terminals per level3Number of levels1Wire cross-section single-core (rigid) / stranded, min.1.5 mm²Wire cross-section single core (rigid)/stranded, max.10 mm²Wire cross-section stranded, min.1.5 mm²Wire cross-section stranded, max.10 mm²Wire cross-section stranded, max.10 mm²Wire cross-section stranded with wire-end ferrules, min.1.5 mm²Wire cross-section stranded with wire-end ferrules, max.10 mm²Wire cross-section Attraded with wire-end ferrules, max.10 mm²Wire cross-section Attraded with wire-end ferrules, max.12 mm²Wire cross-section AWG, max.8Stripping length12 mmMaterialsIInsulation housingPolyamide 6.6Flammability class UL 94V-0Working temperature, min40 °C	Maximum power dissipation for nominal condition	1.82 W
Connection positionTopConnections3Number of terminals per level3Number of levels1Wire cross-section single-core (rigid) / stranded, min.1.5 mm²Wire cross-section single core (rigid)/stranded, max.10 mm²Wire cross-section stranded, min.1.5 mm²Wire cross-section stranded, max.10 mm²Wire cross-section stranded, max.10 mm²Wire cross-section stranded, max.10 mm²Wire cross-section stranded with wire-end ferrules, min.1.5 mm²Wire cross-section stranded with wire-end ferrules, max.10 mm²Wire cross-section AWG, min.16Wire cross-section AWG, max.8Stripping length12 mmMaterials12 mmMaterials12 mmWaterials10 mm²Wire class UL 94V-0Working temperature, min40 °C	Connection data	
Connections3Number of terminals per level3Number of terminals per level1Wire cross-section single-core (rigid) / stranded, min.1.5 mm²Wire cross-section single core (rigid)/stranded, max.10 mm²Wire cross-section stranded, min.1.5 mm²Wire cross-section stranded, max.10 mm²Wire cross-section stranded, max.10 mm²Wire cross-section stranded with wire-end ferrules, min.1.5 mm²Wire cross-section stranded with wire-end ferrules, max.10 mm²Wire cross-section AWG, min.16Wire cross-section AWG, max.8Stripping length12 mmMaterialsInsulation housingFlammability class UL 94V-0Working temperature, min40 °C	Connection principle	Push-in connection
Number of terminals per level3Number of levels1Wire cross-section single-core (rigid) / stranded, min.1.5 mm²Wire cross-section single core (rigid)/stranded, max.10 mm²Wire cross-section stranded, min.1.5 mm²Wire cross-section stranded, max.10 mm²Wire cross-section stranded, max.10 mm²Wire cross-section stranded with wire-end ferrules, min.1.5 mm²Wire cross-section stranded with wire-end ferrules, max.10 mm²Wire cross-section stranded with wire-end ferrules, max.10 mm²Wire cross-section AWG, min.16Wire cross-section AWG, max.8Stripping length12 mmMaterialsInsulation housingPolyamide 6.6Flammability class UL 94Working temperature, min40 °C	Connection position	Тор
Number of levels1Wire cross-section single-core (rigid) / stranded, min.1.5 mm²Wire cross-section single core (rigid)/stranded, max.10 mm²Wire cross-section stranded, min.1.5 mm²Wire cross-section stranded, max.10 mm²Wire cross-section stranded with wire-end ferrules, min.1.5 mm²Wire cross-section stranded with wire-end ferrules, max.10 mm²Wire cross-section stranded with wire-end ferrules, max.10 mm²Wire cross-section stranded with wire-end ferrules, max.10 mm²Wire cross-section AWG, min.16Wire cross-section AWG, max.8Stripping length12 mmMaterials11 mmInsulation housingPolyamide 6.6Flammability class UL 94V-0Working temperature, min40 °C	Connections	3
Wire cross-section single-core (rigid) / stranded, min.1.5 mm²Wire cross-section single core (rigid)/stranded, max.10 mm²Wire cross-section stranded, min.1.5 mm²Wire cross-section stranded, max.10 mm²Wire cross-section stranded with wire-end ferrules, min.1.5 mm²Wire cross-section stranded with wire-end ferrules, max.10 mm²Wire cross-section stranded with wire-end ferrules, max.10 mm²Wire cross-section stranded with wire-end ferrules, max.10 mm²Wire cross-section AWG, min.16Wire cross-section AWG, max.8Stripping length12 mmMaterials112 mmInsulation housingPolyamide 6.6Flammability class UL 94V-0Working temperature, min40 °C	Number of terminals per level	3
Wire cross-section single core (rigid)/stranded, max.10 mm²Wire cross-section stranded, min.1.5 mm²Wire cross-section stranded, max.10 mm²Wire cross-section stranded with wire-end ferrules, min.1.5 mm²Wire cross-section stranded with wire-end ferrules, max.10 mm²Wire cross-section stranded with wire-end ferrules, max.10 mm²Wire cross-section AWG, min.16Wire cross-section AWG, max.8Stripping length12 mmMaterialsInsulation housingFlammability class UL 94V-0Working temperature, min40 °C	Number of levels	1
Wire cross-section stranded, min.1.5 mm²Wire cross-section stranded, max.10 mm²Wire cross-section stranded with wire-end ferrules, min.1.5 mm²Wire cross-section stranded with wire-end ferrules, max.10 mm²Wire cross-section stranded with wire-end ferrules, max.10 mm²Wire cross-section AWG, min.16Wire cross-section AWG, max.8Stripping length12 mmMaterialsPolyamide 6.6Flammability class UL 94V-0Working temperature, min40 °C	Wire cross-section single-core (rigid) / stranded, min.	1.5 mm <sup>2</sup>
Wire cross-section stranded, max.10 mm²Wire cross-section stranded with wire-end ferrules, min.1.5 mm²Wire cross-section stranded with wire-end ferrules, max.10 mm²Wire cross-section AWG, min.16Wire cross-section AWG, max.8Stripping length12 mmMaterialsPolyamide 6.6Flammability class UL 94V-0Working temperature, min40 °C	Wire cross-section single core (rigid)/stranded, max.	10 mm <sup>2</sup>
Wire cross-section stranded with wire-end ferrules, min.1.5 mm²Wire cross-section stranded with wire-end ferrules, max.10 mm²Wire cross-section AWG, min.16Wire cross-section AWG, max.8Stripping length12 mmMaterialsInsulation housingFlammability class UL 94V-0Working temperature, min40 °C	Wire cross-section stranded, min.	1.5 mm <sup>2</sup>
min.1.5 mm²Wire cross-section stranded with wire-end ferrules, max.10 mm²Wire cross-section AWG, min.16Wire cross-section AWG, max.8Stripping length12 mmMaterials12 mmInsulation housingPolyamide 6.6Flammability class UL 94V-0Working temperature, min40 °C	Wire cross-section stranded, max.	10 mm <sup>2</sup>
max.IO mmsWire cross-section AWG, min.16Wire cross-section AWG, max.8Stripping length12 mmMaterialsPolyamide 6.6Flammability class UL 94V-0Working temperature, min40 °C	Wire cross-section stranded with wire-end ferrules, min.	1.5 mm <sup>2</sup>
Wire cross-section AWG, max.8Stripping length12 mmMaterialsPolyamide 6.6Insulation housingPolyamide 6.6Flammability class UL 94V-0Working temperature, min40 °C	Wire cross-section stranded with wire-end ferrules, max.	10 mm <sup>2</sup>
Stripping length12 mmMaterialsPolyamide 6.6Insulation housingV-0Flammability class UL 94V-0Working temperature, min40 °C	Wire cross-section AWG, min.	16
Materials         Insulation housing       Polyamide 6.6         Flammability class UL 94       V-0         Working temperature, min.       -40 °C	Wire cross-section AWG, max.	8
Insulation housingPolyamide 6.6Flammability class UL 94V-0Working temperature, min40 °C	Stripping length	12 mm
Flammability class UL 94     V-0       Working temperature, min.     -40 °C	Materials	
Working temperature, min40 °C	Insulation housing	Polyamide 6.6
	Flammability class UL 94	V-0
Working temperature, max. 120 °C	Working temperature, min.	-40 °C
	Working temperature, max.	120 °C



## **Technical data**

Further technical data	
Mounting type	Mounting rail TS 35/7,5
Gauge plug acc. to EN 60 947-1	A3
Number of cross-connection channels	2
End plate required	$\checkmark$
Environmental Product Compliance	
REACH Candidate Substance Note	No



## Approvals

TR ZU 004/2011
yes
C22.2 No 158
600 V
44 A
600 V
44 A
600 V
44 A
20
8
20
8
Cu
1
EN 60947-7-1:2009
yes
800 V
57 A
8 kV
1.5 mm <sup>2</sup>
10 mm <sup>2</sup>
1.5 mm <sup>2</sup>
10 mm <sup>2</sup>



## Approvals

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

**ZCONTACLIP** 

Media



# EHC



#### Accessories

#### End plate

	End plate, Widt	h: 1.5 mm, Colour: Beige		
0	Article number	Article name	GTIN (EAN)	Packaging unit
	17423.2	FAPI 6-10/3A BG	4044211199968	20

#### Wire-end ferrule for compact connection spaces

Wire-end ferrules, Max. wire cross-section: 10 mm <sup>2</sup> , Length: 22	mm, Length of copper
pipe: 12 mm, Colour: Ivory	

	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**

ſ,	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

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
 Insulated cross Colour: Yellow	s-connector, No. of poles: 9, Mounting	type: Plug in, Width: 7	70.5 mm,
Article number	Article name	GTIN (EAN)	Packaging unit
17419.8	FIQI 6-10/9 YE	4044211178017	10 ST
Insulated cross Colour: Yellow	s-connector, No. of poles: 2, Mounting	type: Plug in, Width: 1	L3.8 mm,
Article number	Article name	GTIN (EAN)	Packaging unit
 17412.8	FIQI 6-10/2 YE	4044211177942	50 ST
Insulated cross Colour: Yellow	s-connector, No. of poles: 5, Mounting	type: Plug in, Width: 3	38.1 mm,
		type: Plug in, Width: 3 GTIN (EAN)	38.1 mm, Packaging unit
Colour: Yellow			Packaging
Colour: Yellow Article number <u>17415.8</u>	Article name FIQI 6-10/5 YE s-connector, No. of poles: 8, Mounting	<b>GTIN (EAN)</b> 4044211177973	Packaging unit 20 ST
Colour: Yellow Article number 17415.8 Insulated cross	Article name FIQI 6-10/5 YE s-connector, No. of poles: 8, Mounting	<b>GTIN (EAN)</b> 4044211177973	Packaging unit 20 ST
Colour: Yellow Article number <u>17415.8</u> Insulated cross Colour: Yellow	Article name FIQI 6-10/5 YE s-connector, No. of poles: 8, Mounting	GTIN (EAN) 4044211177973 type: Plug in, Width: 6	Packaging unit 20 ST 62.4 mm, Packaging
Colour: Yellow Article number 17415.8 Insulated cross Colour: Yellow Article number 17418.8	Article name FIQI 6-10/5 YE s-connector, No. of poles: 8, Mounting Article name FIQI 6-10/8 YE s-connector, No. of poles: 6, Mounting	GTIN (EAN) 4044211177973 type: Plug in, Width: 6 GTIN (EAN) 4044211178000	Packaging unit20 ST62.4 mm,Packaging unit10 ST
Colour: Yellow Article number 17415.8 Insulated cross Colour: Yellow Article number 17418.8 Insulated cross	Article name FIQI 6-10/5 YE s-connector, No. of poles: 8, Mounting Article name FIQI 6-10/8 YE s-connector, No. of poles: 6, Mounting	GTIN (EAN) 4044211177973 type: Plug in, Width: 6 GTIN (EAN) 4044211178000	Packaging unit20 ST62.4 mm,Packaging unit10 ST



#### Insulated cross-connector

 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
Insulated cross Yellow	s-connector, No. of poles: 4, Mounting	type: Plug in, Width: 3	0 mm, Colour:
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