



Feed-through terminal, Push-in connection, Mounting type: Mounting rail TS 35/7.5, Rated cross-section: 4 mm<sup>2</sup>, Width: 6.1 mm, Colour: Blue

RAL: Ähnlich 5005

### **Business data**

Article number	3220.5
Article name	FRK 4/2A BU
GTIN (EAN)	4044211109936
Packaging unit	100
Quantity unit	PC
Weight per piece (not including packaging)	10 g
Weight per piece (including packaging)	10.74 g
Unit of weight	G
Customs number	85369010
Country of origin	BG
Prio-Article	3220.2
Product description	Feed-through terminal



### **Technical data**

Length48.5 mmWidth6.1 mmHeight42.3 mmHeight TS 35/7.543 mmRatingsRated voltageRated voltage800 VRated voltage800 VRated cross-section4 mm²Rated impulse voltage8 kVOvervoltage categoryIIIContamination degree3Maximum power dissipation for nominal condition1.02 WConnection principlePush-in connectionConnection positionTopConnection positionTopConnection spation single-core (rigid) / stranded, min.0.2 mm²Wire cross-section single-core (rigid) / stranded, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, min.6 mm²Wire cross-section stranded with wire-end ferrules, min.4 mm²Wire cross-section Ataded with wire-end ferrules, min.4 mm²Wire cross-section stranded with wire-end ferrules, min.10Stripping length12 mmMarcelas10Stripping length12 mmMaterials10Stripping length12 mmMateria	Dimensions	
Height42.3 mmHeight TS 35/7.543 mmRatingsRated voltage800 VRated voltage800 VRated current32 ARated cross-section4 mm²Rated impulse voltage8 kVOvervoltage categoryIIIContamination degree3Maximum power dissipation for nominal condition1.02 WConnection principlePush-in connectionConnection positionTopConnection position7opConnections position2Number of terminals per level2Number of levels1Wire cross-section single-core (rigid) / stranded, min.0.2 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.4 mm²Wire cross-section stranded with wire-end ferrules, max.4 mm²Wire cross-section AWG, man.20Wire cross-section AWG, max.10Stripping length12 mmMaterials12 mmMaterials12 mmMaxil sultation housingPolyamide 6.6Flammability class UL 94V-0Working temperature, min40 °C	Length	48.5 mm
Height TS 35/7.5   43 mm     Ratings   Rated voltage     Rated voltage   800 V     Rated current   32 A     Rated cross-section   4 mm²     Rated impulse voltage   8 kV     Overvoltage category   III     Contamination degree   3     Maximum power dissipation for nominal condition   1.02 W     Connection data   Connection Operation     Connection position   Top     Connection position   Top     Connection so   2     Number of terminals per level   2     Number of levels   1     Wire cross-section single-core (rigid)/stranded, min.   0.2 mm²     Wire cross-section stranded, min.   0.2 mm²     Wire cross-section stranded, min.   0.2 mm²     Wire cross-section stranded with wire-end ferrules, max.   6 mm²     Wire cross-section stranded with wire-end ferrules, max.   4 mm²     Wire cross-section AWG, max.   10     Stripping length   12 mm     Materials   12 mm     Insulation housing   Polyamide 6.6     Flammability class UL 94   V-0	Width	6.1 mm
Ratings     Rated voltage   800 V     Rated voltage   800 V     Rated current   32 A     Rated cross-section   4 mm²     Rated impulse voltage   8 kV     Overvoltage category   III     Contamination degree   3     Maximum power dissipation for nominal condition   1.02 W     Connection data   Connection     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.   0.2 mm²     Wire cross-section stranded, min.   0.2 mm²     Wire cross-section stranded, max.   6 mm²     Wire cross-section stranded, min.   0.2 mm²     Wire cross-section stranded with wire-end ferrules, max.   4 mm²     Wire cross-section AWG, min.   20     Wire cross-section AWG, max.   10     Stripping length   12 mm     Materials   12 mm     Insulation housing   Polyamide 6.6     Flammability class UL 94 <td< td=""><td>Height</td><td>42.3 mm</td></td<>	Height	42.3 mm
Rated voltage 800 V   Rated current 32 A   Rated current 32 A   Rated cross-section 4 mm²   Rated impulse voltage 8 kV   Overvoltage category III   Contamination degree 3   Maximum power dissipation for nominal condition 1.02 W   Connection data Connection principle   Connection position Top   Connections 2   Number of terminals per level 2   Number of levels 1   Wire cross-section single-core (rigid) / stranded, min. 0.2 mm²   Wire cross-section stranded, min. 0.2 mm²   Wire cross-section stranded, max. 6 mm²   Wire cross-section stranded with wire-end ferrules, min. 0.2 mm²   Wire cross-section stranded with wire-end ferrules, min. 0.2 mm²   Wire cross-section AWG, min. 20   Wire cross-section AWG, max. 10   Stripping length 12 mm   Materials 12 mm   Maxual Dialon housing Polyamide 6.6   Flammability class UL 94 V-0   Working temperature, min. -40 °C	Height TS 35/7.5	43 mm
Rated current32 ARated current32 ARated cross-section4 mm²Rated impulse voltage8 kVOvervoltage categoryIIIContamination degree3Maximum power dissipation for nominal condition1.02 WConnection dataConnection principleConnection principlePush-in connectionConnection positionTopConnections2Number of terminals per level2Number of levels1Wire cross-section single-core (rigid) / stranded, min.0.2 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, min.4 mm²Wire cross-section stranded with wire-end ferrules, min.10Stripping length12 mmMaterials1Insulation housingPolyamide 6.6Flammability class UL 94V-0Working temperature, min40 °C	Ratings	
Rated cross-section4 mm²Rated impulse voltage8 kVOvervoltage categoryIIIContamination degree3Maximum power dissipation for nominal condition1.02 WConnection dataConnection principlePush-in connectionConnection positionTopConnections2Number of terminals per level1Wire cross-section single-core (rigid) / stranded, min.0.2 mm²Wire cross-section stranded, min.10 mm²Wire cross-section stranded with wire-end ferrules, max.4 mm²Wire cross-section AWG, min.20Wire cross-section AWG, min.10Stripping length12 mmMaterials10Stripping length12 mmMaterials10Viro distanded, max.10Stripping length12 mmMaterials10Viro distanded, max10Stripping length12 mmMaterials10Flammability class UL 94V-0Working temperature, min40 °C	Rated voltage	800 V
Rated impulse voltage8 kVOvervoltage categoryIIIContamination degree3Maximum power dissipation for nominal condition1.02 WConnection data	Rated current	32 A
Overvoltage category   III     Contamination degree   3     Maximum power dissipation for nominal condition   1.02 W     Connection data	Rated cross-section	4 mm <sup>2</sup>
Contamination degree3Maximum power dissipation for nominal condition1.02 WConnection dataConnection principleConnection principlePush-in connectionConnection positionTopConnections2Number of terminals per level2Number of levels1Wire cross-section single-core (rigid) / stranded, min.0.2 mm²Wire cross-section single core (rigid)/stranded, max.6 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded, max.6 mm²Wire cross-section stranded, max.6 mm²Wire cross-section stranded with wire-end ferrules, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.10Wire cross-section AWG, min.20Wire cross-section AWG, max.10Stripping length12 mmMaterialsInsulation housingPolyamide 6.6Flammability class UL 94V-0V-0Working temperature, min40 °C	Rated impulse voltage	8 kV
Maximum power dissipation for nominal condition   1.02 W     Connection data   Connection     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.   0.2 mm²     Wire cross-section stranded, min.   0.2 mm²     Wire cross-section stranded, max.   6 mm²     Wire cross-section stranded, max.   6 mm²     Wire cross-section stranded, max.   6 mm²     Wire cross-section stranded with wire-end ferrules, min.   0.2 mm²     Wire cross-section stranded with wire-end ferrules, max.   4 mm²     Wire cross-section AWG, min.   20     Wire cross-section AWG, max.   10     Stripping length   12 mm     Materials   Insulation housing     Insulation housing   Polyamide 6.6     Flammability class UL 94   V-0     Working temperature, min.   -40 °C	Overvoltage category	III
Connection dataConnection principlePush-in connectionConnection positionTopConnections2Number of terminals per level2Number of levels1Wire cross-section single-core (rigid) / stranded, min.0.2 mm²Wire cross-section single core (rigid)/stranded, max.6 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded, max.6 mm²Wire cross-section stranded, max.6 mm²Wire cross-section stranded with wire-end ferrules, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.10Wire cross-section AWG, min.20Wire cross-section AWG, max.10Stripping length12 mmMaterialsInsulation housingPolyamide 6.6Flammability class UL 94V-0V-0Working temperature, min40 °C	Contamination degree	3
Connection principlePush-in connectionConnection positionTopConnections2Number of terminals per level2Number of levels1Wire cross-section single-core (rigid) / stranded, min.0.2 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded, max.6 mm²Wire cross-section stranded, max.6 mm²Wire cross-section stranded, max.6 mm²Wire cross-section stranded with wire-end ferrules, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.4 mm²Wire cross-section AWG, min.20Wire cross-section AWG, max.10Stripping length12 mmMaterialsInsulation housingPolyamide 6.6Flammability class UL 94V-0V-0Working temperature, min40 °C	Maximum power dissipation for nominal condition	1.02 W
Connection positionTopConnections2Number of terminals per level2Number of terminals per level1Wire cross-section single-core (rigid) / stranded, min.0.2 mm²Wire cross-section single core (rigid)/stranded, max.6 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded, max.6 mm²Wire cross-section stranded, max.6 mm²Wire cross-section stranded with wire-end ferrules, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.4 mm²Wire cross-section AWG, min.20Wire cross-section AWG, max.10Stripping length12 mmMaterialsInsulation housingPolyamide 6.6Flammability class UL 94V-0V-0Working temperature, min40 °C	Connection data	
Connections2Number of terminals per level2Number of terminals per level1Wire cross-section single-core (rigid) / stranded, min.0.2 mm²Wire cross-section single core (rigid)/stranded, max.6 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded, max.6 mm²Wire cross-section stranded, max.6 mm²Wire cross-section stranded with wire-end ferrules, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.4 mm²Wire cross-section AWG, min.20Wire cross-section AWG, max.10Stripping length12 mmMaterialsInsulation housingFlammability class UL 94V-0Working temperature, min40 °C	Connection principle	Push-in connection
Number of terminals per level2Number of levels1Wire cross-section single-core (rigid) / stranded, min.0.2 mm²Wire cross-section single core (rigid)/stranded, max.6 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded, max.6 mm²Wire cross-section stranded, max.6 mm²Wire cross-section stranded with wire-end ferrules, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.4 mm²Wire cross-section AWG, min.20Wire cross-section AWG, max.10Stripping length12 mmMaterialsInsulation housingPolyamide 6.6Flammability class UL 94V-0V-0	Connection position	Тор
Number of levels1Wire cross-section single-core (rigid) / stranded, min.0.2 mm²Wire cross-section single core (rigid)/stranded, max.6 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded, max.6 mm²Wire cross-section stranded with wire-end ferrules, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.4 mm²Wire cross-section AWG, min.20Wire cross-section AWG, max.10Stripping length12 mmMaterialsInsulation housingPolyamide 6.6Flammability class UL 94V-0V-0Working temperature, min40 °C	Connections	2
Wire cross-section single-core (rigid) / stranded, min.0.2 mm²Wire cross-section single core (rigid)/stranded, max.6 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded, max.6 mm²Wire cross-section stranded with wire-end ferrules, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.4 mm²Wire cross-section AWG, min.20Wire cross-section AWG, max.10Stripping length12 mmMaterialsInsulation housingPolyamide 6.6Flammability class UL 94V-0V-0Working temperature, min40 °C	Number of terminals per level	2
Wire cross-section single core (rigid)/stranded, max.6 mm²Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded, max.6 mm²Wire cross-section stranded with wire-end ferrules, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.4 mm²Wire cross-section AWG, min.20Wire cross-section AWG, max.10Stripping length12 mmMaterialsInsulation housingPolyamide 6.6Flammability class UL 94V-0Working temperature, min40 °C	Number of levels	1
Wire cross-section stranded, min.0.2 mm²Wire cross-section stranded, max.6 mm²Wire cross-section stranded with wire-end ferrules, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.4 mm²Wire cross-section AWG, min.20Wire cross-section AWG, max.10Stripping length12 mmMaterialsInsulation housingPolyamide 6.6Flammability class UL 94V-0Working temperature, min40 °C	Wire cross-section single-core (rigid) / stranded, min.	0.2 mm <sup>2</sup>
Wire cross-section stranded, max.6 mm²Wire cross-section stranded with wire-end ferrules, max.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.4 mm²Wire cross-section AWG, min.20Wire cross-section AWG, max.10Stripping length12 mmMaterialsInsulation housingFlammability class UL 94V-0Working temperature, min40 °C	Wire cross-section single core (rigid)/stranded, max.	6 mm <sup>2</sup>
Wire cross-section stranded with wire-end ferrules, min.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.4 mm²Wire cross-section AWG, min.20Wire cross-section AWG, max.10Stripping length12 mmMaterialsInsulation housingFlammability class UL 94V-0Working temperature, min40 °C	Wire cross-section stranded, min.	0.2 mm <sup>2</sup>
min.0.2 mm²Wire cross-section stranded with wire-end ferrules, max.4 mm²Wire cross-section AWG, min.20Wire cross-section AWG, max.10Stripping length12 mmMaterials11 mmInsulation housingPolyamide 6.6Flammability class UL 94V-0Working temperature, min40 °C	Wire cross-section stranded, max.	6 mm <sup>2</sup>
max.4 mm²Wire cross-section AWG, min.20Wire cross-section AWG, max.10Stripping length12 mmMaterialsInsulation housingInsulation housingPolyamide 6.6Flammability class UL 94V-0Working temperature, min40 °C	-	0.2 mm <sup>2</sup>
Wire cross-section AWG, max.10Stripping length12 mmMaterialsPolyamide 6.6Insulation housingPolyamide 6.6Flammability class UL 94V-0Working temperature, min40 °C		4 mm <sup>2</sup>
Stripping length12 mmMaterialsPolyamide 6.6Insulation housingPolyamide 6.6Flammability class UL 94V-0Working temperature, min40 °C	Wire cross-section AWG, min.	20
Materials     Insulation housing   Polyamide 6.6     Flammability class UL 94   V-0     Working temperature, min.   -40 °C	Wire cross-section AWG, max.	10
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, min. -40 °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	A4
Number of cross-connection channels	2
End plate required	$\checkmark$
Environmental Product Compliance	
REACH Conform	yes
REACH Reference date	2022-06-10
REACH Candidate Substance Note	No
RoHS Conform	yes



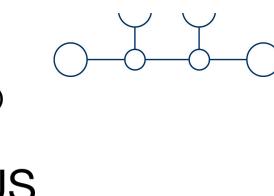
### Approvals

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	600 V
CSA Usegroup C: rated current	35 A
CSA wire cross-section AWG, min.	26
CSA wire cross-section AWG, max.	10
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	35 A
CSAus wire cross-section AWG, min.	26
CSAus wire cross-section AWG, max.	10
CSAus stripping length	12 mm
KEMA KEUR approval	
KEMA KEUR approval	EN 60947-7-1:2009
KEMA KEUR approval granted	yes
KEMA rated voltage	800 V
KEMA rated current	32 A
KEMA rated impulse voltage	8 kV
KEMA wire cross-section single core (rigid), min.	0.2 mm²
KEMA wire cross-section single-core (rigid), max.	6 mm <sup>2</sup>
KEMA wire cross-section stranded, min.	0.2 mm²
KEMA wire cross-section stranded, max.	6 mm <sup>2</sup>

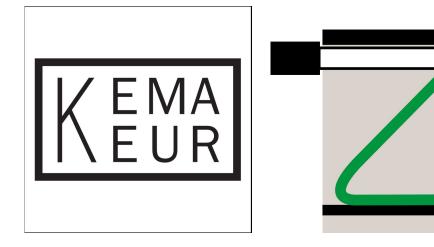


#### Media











#### Accessories

#### End plate

End plate, Widt	h: 1.5 mm, Colour: Beige		
Article number	Article name	GTIN (EAN)	Packaging unit
3400.2	FAP 1,5-4/2A BG	4044211110208	20

#### 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 Colour: Yellow	-connector, No. of poles: 4, Mounting ty	pe: Plug in, Width: 24.	3 mm,
Article number	Article name	GTIN (EAN)	Packaging unit
3474.8	FQI 4/4 YE	4044211110840	20
Insulated cross Colour: Yellow	-connector, No. of poles: 5, Mounting ty	pe: Plug in, Width: 30.	1 mm,
Article number	Article name	GTIN (EAN)	Packaging unit
3475.8	FQI 4/5 YE	4044211110857	20
Insulated cross Colour: Yellow	-connector, No. of poles: 6, Mounting ty	pe: Plug in, Width: 36.	5 mm,
Article number	Article name	GTIN (EAN)	Packaging unit
 3476.8	FQI 4/6 YE	4044211110864	20



#### Insulated cross-connector

Article number	Article name	GTIN (EAN)	Packaging unit
3470.8	FQI 4/10 YE	4044211110819	10
Insulated cross Colour: Yellow	s-connector, No. of poles: 3, Mour	nting type: Plug in, Width:	18.2 mm,
Article number	Article name	GTIN (EAN)	Packaging unit
3473.8	FQI 4/3 YE	4044211110833	50
Insulated cross Colour: Yellow	s-connector, No. of poles: 2, Mour	nting type: Plug in, Width:	12.1 mm,
Article number	Article name	GTIN (EAN)	Packaging unit
3472.8	FQI 4/2 YE	4044211110826	50
Insulated cross Colour: Yellow	s-connector, No. of poles: 7, Mour	nting type: Plug in, Width:	
Article number	Article name	GTIN (EAN)	Packaging unit
3477.8	FQI 4/7 YE	4044211110871	20
Insulated cross Colour: Yellow	s-connector, No. of poles: 9, Mour	nting type: Plug in, Width:	54.8 mm,
			Packaging
Article number	Article name	GTIN (EAN)	unit
Article number 3479.8	Article name FQI 4/9 YE	GTIN (EAN) 4044211110895	
3479.8	FQI 4/9 YE s-connector, No. of poles: 8, Mour	4044211110895	unit 10
<u>3479.8</u> Insulated cross	FQI 4/9 YE s-connector, No. of poles: 8, Mour	4044211110895	unit 10

#### **Quick marking**



	Terminal marke	er / Pocket Maxicard, Length: 5 mm, W	idth: 6 mm, Colour: Wh	nite
	Article number	Article name	GTIN (EAN)	Packaging unit
	4702.7	PMC SB 6/50 WH	4044211089986	500 ST

#### Four-way cover

	Cover, Length: 3	3.8 mm, Width: 23.6 mm, Colour: Yellow	
4 4	Article number	Article name	GTIN (EAN)

Article number	Article name	GTIN (EAN)	Packaging unit
3427.8	FAD 4/4/B YE	4044211132941	20 ST