

## Test plug - FTP-2/1 SERVICE - 3069469

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Test plug, number of positions: 1, width: 9 mm, color: red

### Your advantages

- ✓ Easy and time saving, thanks to functional grouping of switching operations
- ✓ Cost-effective, thanks to the tailored, modular design and use of standardized CLIPLINE complete accessories
- ✓ The integrated, robust switch contact is designed for the most stringent demands, and the use of high-quality materials ensures the transmission of signal currents, even after multiple actuations
- ✓ Maximum safety with leading and automatic transformer short circuit

### Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 907781
GTIN	4046356907781

### Technical data

#### General

Number of positions	1
Number of levels	1
Number of connections	2
Potentials	1
Nominal cross section	6 mm <sup>2</sup>
Color	red
Insulating material	PA
Flammability rating according to UL 94	V0
Rated surge voltage	4 kV
Test surge voltage	5 kV
Overvoltage category	III
Insulating material group	I

# Test plug - FTP-2/1 SERVICE - 3069469

## Technical data

### General

Maximum power dissipation for nominal condition	1.31 W
Maximum load current	24 A
Nominal current I <sub>N</sub>	24 A
Nominal voltage U <sub>N</sub>	400 V AC/DC
Open side panel	No
Ambient temperature (operation)	-60 °C ... 85 °C
Ambient temperature (storage/transport)	-25 °C ... 55 °C (For a short time, not exceeding 24 h, -60 to +70 °C)
Permissible humidity (storage/transport)	30 % ... 70 %
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	125 °C
Static insulating material application in cold	-60 °C
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Calorimetric heat release NFPA 130 (ASTM E 1354)	27,5 MJ/kg
Smoke gas toxicity NFPA 130 (SMP 800C)	passed
Fire protection for rail vehicles (DIN EN 45545-2) R22	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R23	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R24	HL 1 - HL 3
Fire protection for rail vehicles (DIN EN 45545-2) R26	HL 1 - HL 3

### Dimensions

Width	9 mm
Length	86 mm
Pitch	8.2 mm

### Connection data

Note	The conductor cross section depends on the cable lug used
Conductor cross section flexible min.	0.5 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 mm <sup>2</sup>
Min. AWG conductor cross section, flexible	20
Max. AWG conductor cross section, flexible	14

### Mounting

Mounting type	Insertion in base strip
Min. tightening torque of the test socket screw:	0.5 Nm
Max. tightening torque of the test socket screw:	0.6 Nm

### Standards and Regulations

Flammability rating according to UL 94	V0
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### Environmental Product Compliance

# Test plug - FTP-2/1 SERVICE - 3069469

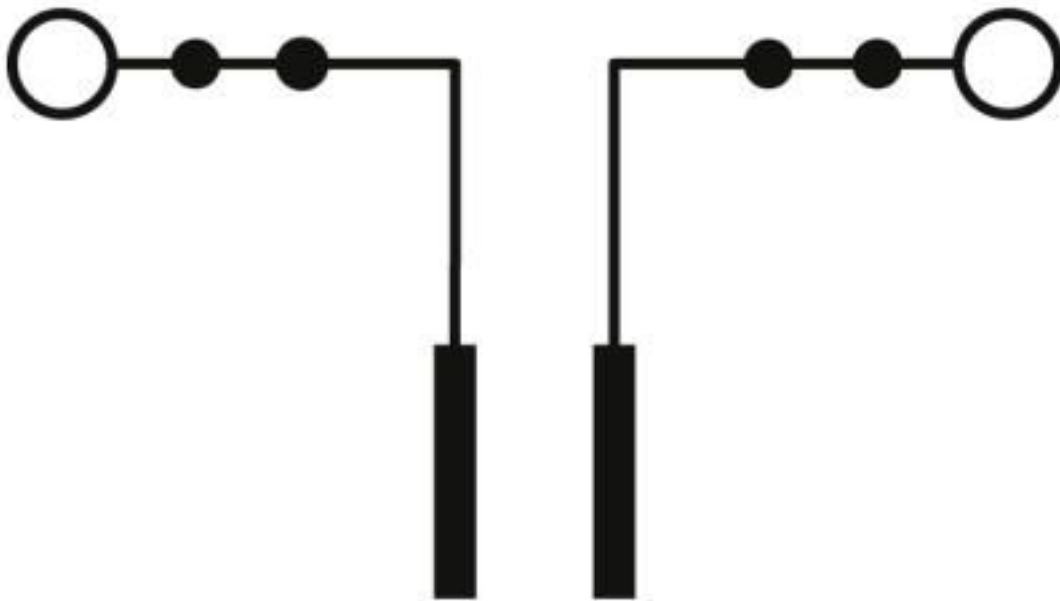
## Technical data

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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## Drawings

Circuit diagram



## Classifications

### eCl@ss

eCl@ss 10.0.1	27141190
eCl@ss 4.0	27141100
eCl@ss 4.1	27141100
eCl@ss 5.0	27141100
eCl@ss 5.1	27141100
eCl@ss 6.0	27141100
eCl@ss 7.0	27141190
eCl@ss 8.0	27141190
eCl@ss 9.0	27141190

### ETIM

ETIM 4.0	EC000897
ETIM 5.0	EC002848
ETIM 6.0	EC002848
ETIM 7.0	EC002848

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## Classifications

### UNSPSC

UNSPSC 13.2	39121410
UNSPSC 18.0	39121410
UNSPSC 19.0	39121410
UNSPSC 20.0	39121410
UNSPSC 21.0	39121410

## Approvals

### Approvals

#### Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

#### Ex Approvals

### Approval details

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 60425
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cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 60425
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EAC		RU C- DE.BL08.B.00511
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cULus Recognized	
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## Accessories

### Accessories

#### Connector

## Test plug - FTP-2/1 SERVICE - 3069469

### Accessories

Fork-type cable lug - C-FCI 2,5/M3 - 3240037



Fork-type cable lug, blue, 1.5 - 2.5 mm<sup>2</sup>, M3

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Ring cable lug - C-RCI 1,5/M3 - 3240016



Ring cable lug, red, 0.5 ... 1.5 mm<sup>2</sup>, M3

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Ring cable lug - C-RCI 2,5/M3 - 3240021



Ring cable lug, blue, 1.5 ... 2.5 mm<sup>2</sup>, M3

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### Test socket

Screw - FTP SCREW M3X4,5 - 3069467



Screw, for attaching cable lugs to FAME test plugs, with cover, without test point, length: 4.5 mm, color: silver/black

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Female test connector - PSBJ-URTK 6 FARBLOS - 3026450



Female test connector, color: transparent

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## Test plug - FTP-2/1 SERVICE - 3069469

### Accessories

Female test connector - PSBJ-URTK 6 RD - 3026719



Female test connector, color: red

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Female test connector - PSBJ-URTK 6 BU - 3026434



Female test connector, color: blue

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Female test connector - PSBJ-URTK 6 YE - 3026405



Female test connector, color: yellow

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Female test connector - PSBJ-URTK 6 GN - 3026418



Female test connector, color: green

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Female test connector - PSBJ-URTK 6 VT - 3026421



Female test connector, color: violet

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## Test plug - FTP-2/1 SERVICE - 3069469

### Accessories

Female test connector - PSBJ-URTK 6 GY - 3026612



Female test connector, color: gray

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Female test connector - PSBJ-URTK 6 BK - 3026447



Female test connector, color: black

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Female test connector - PSBJ-URTK 6 BN - 3026971



Female test connector, color: brown

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Female test connector - PSBJ-URTK 6 WH - 3026448



Female test connector, color: white

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### Additional products

Test terminal strip - PTWE 6-2/4 - 3069827



Test terminal strip, nom. voltage: 400 V AC/DC, connection method: Push-in connection, number of connections: 8, number of positions: 4, cross section: 0.5 mm<sup>2</sup> - 10 mm<sup>2</sup>, AWG: 20 - 8, width: 65.6 mm, height: 56.5 mm, color: gray, mounting type: Wall mounting

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## Test plug - FTP-2/1 SERVICE - 3069469

### Accessories

#### Test terminal strip - PTRE 6-2/4 - 3069849



Test terminal strip, nom. voltage: 400 V AC/DC, connection method: Push-in connection, number of connections: 8, number of positions: 4, cross section: 0.5 mm<sup>2</sup> - 10 mm<sup>2</sup>, AWG: 20 - 8, width: 65.2 mm, height: 56.5 mm, color: gray, mounting type: NS 35/7,5, NS 35/7,5

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#### Test terminal strip - UTWE 6-2/4 - 3069650



Test terminal strip, nom. voltage: 400 V AC/DC, connection method: Screw connection, number of connections: 8, number of positions: 4, cross section: 0.2 mm<sup>2</sup> - 10 mm<sup>2</sup>, AWG: 24 - 8, width: 65.6 mm, height: 56.5 mm, color: gray, mounting type: Wall mounting

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#### Test terminal strip - UTRE 6-2/4 - 3069805



Test terminal strip, nom. voltage: 400 V AC/DC, connection method: Screw connection, number of connections: 8, number of positions: 4, cross section: 0.2 mm<sup>2</sup> - 10 mm<sup>2</sup>, AWG: 24 - 8, width: 65.2 mm, height: 56.5 mm, color: gray, mounting type: NS 35/7,5, NS 35/7,5

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