

# ST-BE - Component connector

2802316

<https://www.phoenixcontact.com/us/products/2802316>

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**Component connector**, to connect 2-pos. components to the basic terminal block, to be secured with screw-type clamping units, 19 mm high, max. 16 A

## Commercial data

Item number	2802316
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	BE19
Product key	BE1Z3X
GTIN	4017918074401
Weight per piece (including packing)	6.36 g
Weight per piece (excluding packing)	6.3 g
Customs tariff number	85366990
Country of origin	PL

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## Technical data

### Product properties

Product type	Component plug terminal block
Pitch	6 mm

### Insulation characteristics

Overvoltage category	III
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### Electrical properties

Rated surge voltage	4 kV
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### Connection data

Nominal cross section	2.5 mm <sup>2</sup>
Connection method	Plug-in connection
Conductor cross-section rigid	2.5 mm <sup>2</sup>
Nominal current	16 A
Maximum load current	16 A
Nominal voltage	250 V

### Dimensions

Height	42 mm
Depth	19 mm
Length	42 mm
Pitch	6 mm

### Material specifications

Color	gray (RAL 7042)
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °C
Relative insulation material temperature index (Elec., UL 746 B)	130 °C
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
Surface flammability NFPA 130 (ASTM E 162)	passed
Specific optical density of smoke NFPA 130 (ASTM E 662)	passed
Smoke gas toxicity NFPA 130 (SMP 800C)	passed

### Environmental and real-life conditions

#### Ambient conditions

Ambient temperature (operation)	-60 °C ... 110 °C (Operating temperature range incl. self-heating;
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	for max. short-term operating temperature, see RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (operation)	20 % ... 90 %
Permissible humidity (storage/transport)	30 % ... 70 %

## Mounting

Mounting type	Pluggable (slot)
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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2802316>

 <b>cULus Recognized</b> Approval ID: E60425				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
B	300 V	10 A	30 - 14	-
C	300 V	10 A	30 - 14	-

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## Classifications

### ECLASS

ECLASS-13.0	27250305
ECLASS-15.0	27250305

### ETIM

ETIM 10.0	EC002018
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### UNSPSC

UNSPSC 21.0	39121600
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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### EF3.1 Climate Change

CO2e kg	0.037 kg CO2e
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