

P-DI - Isolating plug



3036783

<https://www.phoenixcontact.com/us/products/3036783>

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Isolating plug, depth: 23.1 mm, width: 3.5 mm, height: 10.8 mm, color: orange

Your advantages

- Can be used in all ...-TG disconnect terminal blocks from the CLIPLINE complete system
- The P-DI isolating plug can be easily removed to release the connection and then "parked" back to front in the disconnect zone

Commercial data

Item number	3036783
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE29
Product key	BE2ZWX
GTIN	4017918901998
Weight per piece (including packing)	0.636 g
Weight per piece (excluding packing)	0.617 g
Customs tariff number	85366990
Country of origin	CN

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Technical data

Notes

General

Note	The max. load current must not be exceeded by the total current of all connected conductors.
	Current and voltage are determined by the plug used
	With a free-hanging connection, an insulating foil has to be placed between the plug connection and electrically conductive surfaces.

Product properties

Product type	Knife
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Dimensions

Width	3.5 mm
Height	10.8 mm
Depth	23.1 mm

Material specifications

Color	orange (RAL 2003)
Flammability rating according to UL 94	V2
Insulating material	PA
Static insulating material application in cold	-40 °C
Relative insulation material temperature index (Elec., UL 746 B)	125 °C

Electrical tests

Surge voltage test

Test voltage setpoint	7.3 kV
Result	Test passed
Short-time withstand current 0.5 mm ²	0.06 kA
Result	Test passed

Power-frequency withstand voltage

Test voltage setpoint	1.89 kV
Result	Test passed

Mechanical tests

Attachment on the carrier

DIN rail/fixing support	NS 35
Result	Test passed

Environmental and real-life conditions

Needle-flame test

Time of exposure	30 s
Result	Test passed

Oscillation/broadband noise

Specification	EN 50155:2021
Spectrum	Long life test category 1, class B, body mounted
Frequency	$f_1 = 5 \text{ Hz}$ to $f_2 = 150 \text{ Hz}$
ASD level	$0.964 \text{ (m/s}^2\text{)}^2/\text{Hz}$
Acceleration	0.58g
Test duration per axis	5 h
Test directions	X-, Y- and Z-axis
Result	Test passed

Shocks

Specification	DIN EN 50155 (VDE 0115-200):2008-03
Pulse shape	Half-sine
Acceleration	5g
Shock duration	30 ms
Number of shocks per direction	3
Test directions	X-, Y- and Z-axis (pos. and neg.)
Result	Test passed

Ambient conditions

Ambient temperature (operation)	-40 °C ... 110 °C (Operating temperature range incl. self-heating; 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 %

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Approvals

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 CSA Approval ID: 2030668				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
keine	-	15 A	-	-

 IECEE CB Scheme Approval ID: DE1-62955				
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 BV Approval ID: 25278/C1 BV				
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 VDE approval of drawings Approval ID: 40037480				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
keine	-	-	-	0.2 - 4

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Classifications

ECLASS

ECLASS-15.0	27141192
ECLASS-13.0	27141192

ETIM

ETIM 9.0	EC004592
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
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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