

PP-H 6/ 1-L GNYE - Plug



3061680

<https://www.phoenixcontact.com/sg/products/3061680>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Plug, for self-assembly, nom. voltage: 1000 V, nominal current: 41 A, number of connections: 1, number of positions: 1, connection method: Push-in connection, 1 level, Rated cross section: 6 mm², cross section: 0.5 mm² - 10 mm², color: green/yellow

Your advantages

- Large-surface labeling option
- The Push-in technology COMBI plugs for self-assembly provide solutions that users can implement themselves
- Tested for railway applications

Commercial data

Item number	3061680
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	*****
Product key	BE2244
Catalog page	Page 352 (C-1-2019)
GTIN	4046356650373
Weight per piece (including packing)	7.68 g
Weight per piece (excluding packing)	7.68 g
Customs tariff number	85366990
Country of origin	PL

PP-H 6/ 1-L GNYE - Plug

3061680

<https://www.phoenixcontact.com/sg/products/3061680>



Technical data

Product properties

Product type	Terminal plug
Area of application	Railway industry
	Machine building
	Plant engineering
Number of positions	1
Pitch	8.2 mm
Number of connections	1
Number of rows	1
Potentials	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	1.31 W

Connection data

Number of connections per level	1
Nominal cross section	6 mm ²

1 level

Stripping length	12 mm
Internal cylindrical gage	A5
Connection in acc. with standard	IEC 61984
Conductor cross section rigid	0.5 mm ² ... 10 mm ²
Cross section AWG	20 ... 8 (converted acc. to IEC)
Conductor cross section flexible	0.5 mm ² ... 6 mm ²
Conductor cross section, flexible [AWG]	20 ... 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm ² ... 6 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm ² ... 6 mm ²
Conductor cross-section flexible (2 conductors with the same cross-section, with TWIN ferrule and plastic sleeve)	0.5 mm ² ... 1.5 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 1.5 mm ²
Nominal current	41 A
Maximum load current	41 A (with 6 mm ² conductor cross section)
Nominal voltage	1000 V
Nominal cross section	6 mm ²

1 level Connection cross sections directly pluggable

PP-H 6/ 1-L GNYE - Plug



3061680

<https://www.phoenixcontact.com/sg/products/3061680>

Conductor cross section rigid	1 mm ² ... 10 mm ²
Conductor cross-section flexible (ferrule without plastic sleeve)	1 mm ² ... 6 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	1 mm ² ... 6 mm ²

Dimensions

Width	8.2 mm
Height	21 mm
Depth	49.3 mm
Pitch	8.2 mm

Material specifications

Color	green-yellow
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA
Static insulating material application in cold	-60 °C
Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21))	125 °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
Calorimetric heat release NFPA 130 (ASTM E 1354)	27,5 MJ/kg
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

Mechanical properties

Mechanical data	
Open side panel	No

Environmental and real-life conditions

Ambient conditions	
Ambient temperature (operation)	-60 °C (max. operating temperature see derating curve)
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 %

Standards and regulations

Connection in acc. with standard	IEC 61984
----------------------------------	-----------

PP-H 6/ 1-L GNYE - Plug

3061680

<https://www.phoenixcontact.com/sg/products/3061680>



Mounting

Assembly note

Use of a parallel pressing tool is recommended for easy latching of the COMBI connector and coupling elements for self-assembly

PP-H 6/ 1-L GNYE - Plug

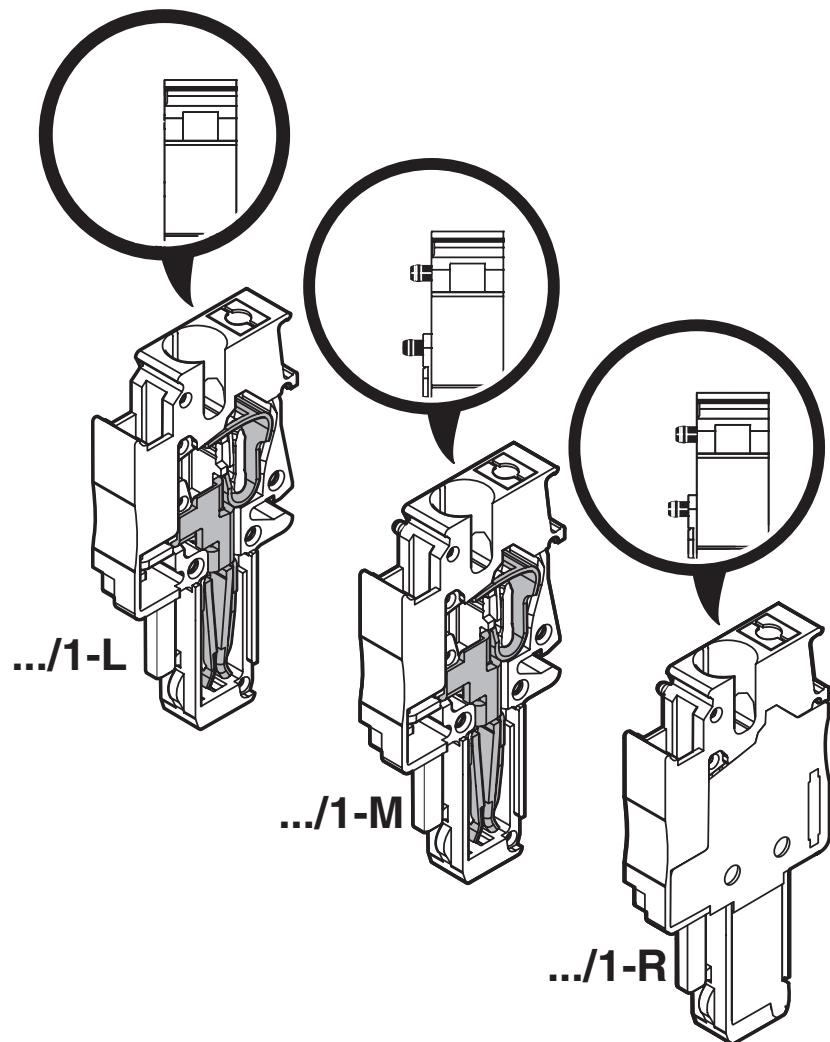
3061680

<https://www.phoenixcontact.com/sg/products/3061680>



Drawings

Schematic diagram



PP-H 6/ 1-L GNYE - Plug

3061680

<https://www.phoenixcontact.com/sg/products/3061680>



Circuit diagram



PP-H 6/ 1-L GNYE - Plug



3061680

<https://www.phoenixcontact.com/sg/products/3061680>

Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/sg/products/3061680>

		Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
Use group B		600 V	40 A	20 - 8	-
Use group C		600 V	40 A	20 - 8	-
Use group D		600 V	5 A	20 - 8	-

		Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
CB Scheme	IECEE CB Scheme	1000 V	-	-	-

	cULus Recognized
	Approval ID: E60425

	cULus Recognized
	Approval ID: E60425

		Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
VDE	VDE approval of drawings	1000 V	-	-	0.5 - 6

	EAC
	Approval ID: EACKZ 08593

PP-H 6/ 1-L GNYE - Plug

3061680

<https://www.phoenixcontact.com/sg/products/3061680>



Classifications

ECLASS

ECLASS-11.0	27141151
ECLASS-12.0	27141151
ECLASS-13.0	27250306

ETIM

ETIM 9.0	EC002021
----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

PP-H 6/ 1-L GNYE - Plug

3061680

<https://www.phoenixcontact.com/sg/products/3061680>



Environmental product compliance

EU RoHS

Fulfils 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%
-------------------------------------	----------------------------

Phoenix Contact 2025 © - all rights reserved
<https://www.phoenixcontact.com>

PHOENIX CONTACT SEA Pte. Ltd.
105 Eunos Avenue 3, #04-00
Singapore 409836
+65 6228 4900
marketing@phoenixcontact.com.sg