Plug - UP 6/ 1-L GNYE

3060759

https://www.phoenixcontact.com/de/produkte/3060759

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Plug, nom. voltage: 1000 V, nominal current: 41 A, number of positions: 1, connection method: Screw connection, Rated cross section: 6 mm^2, cross section: 0.2 mm^2- 6 mm^2, color: green-yellow

Commercial Data

Item number	3060759
Packing unit	50 pc
Minimum order quantity	50 pc
Sales Key	A1 - Reihenklemmen
Product Key	BE1144
Catalog Page	Page 357 (C-1-2019)
GTIN	4046356607957
Weight per Piece (including packing)	7,06 g
Weight per Piece (excluding packing)	6,58 g
Customs tariff number	85366990
Country of origin	CN

Technical Data

Product properties

Product type	Terminal plug
Number of positions	1
Pitch	8.2 mm
Potentials	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Electrical properties

Rated surge voltage	8 kV

Connection data

Nominal cross section	6 mm²

Level 1 above 1 below 1

Screw thread	M3
Tightening torque	0.6 ... 0.8 Nm
Stripping length	10 mm
Internal cylindrical gage	A5
Connection in acc. with standard	IEC 61984
Conductor cross section solid	0.2 mm² ... 6 mm²
Cross section AWG	24 ... 8 (converted acc. to IEC)
Conductor cross section flexible	0.2 mm² ... 10 mm²
Conductor cross section, flexible [AWG]	24 ... 8 (converted acc. to IEC)
Flexible conductor cross section flexible (ferrule, w/o plastic sleeve)	0.25 mm² ... 6 mm²
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm² ... 6 mm²
2 conductors with same cross section, solid	0.2 mm² ... 2.5 mm²
2 conductors with same cross section, flexible	0.2 mm² ... 2.5 mm²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.25 mm² ... 1.5 mm²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm² ... 4 mm²
Nominal current	41 A
Maximum load current	41 A (with 6 mm² conductor cross section)
Nominal voltage	1000 V
Nominal cross section	6 mm²

Dimensions

Width	8.2 mm
Height	42.7 mm

Length	21 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

Environmental and real-life conditions

Ambient conditions

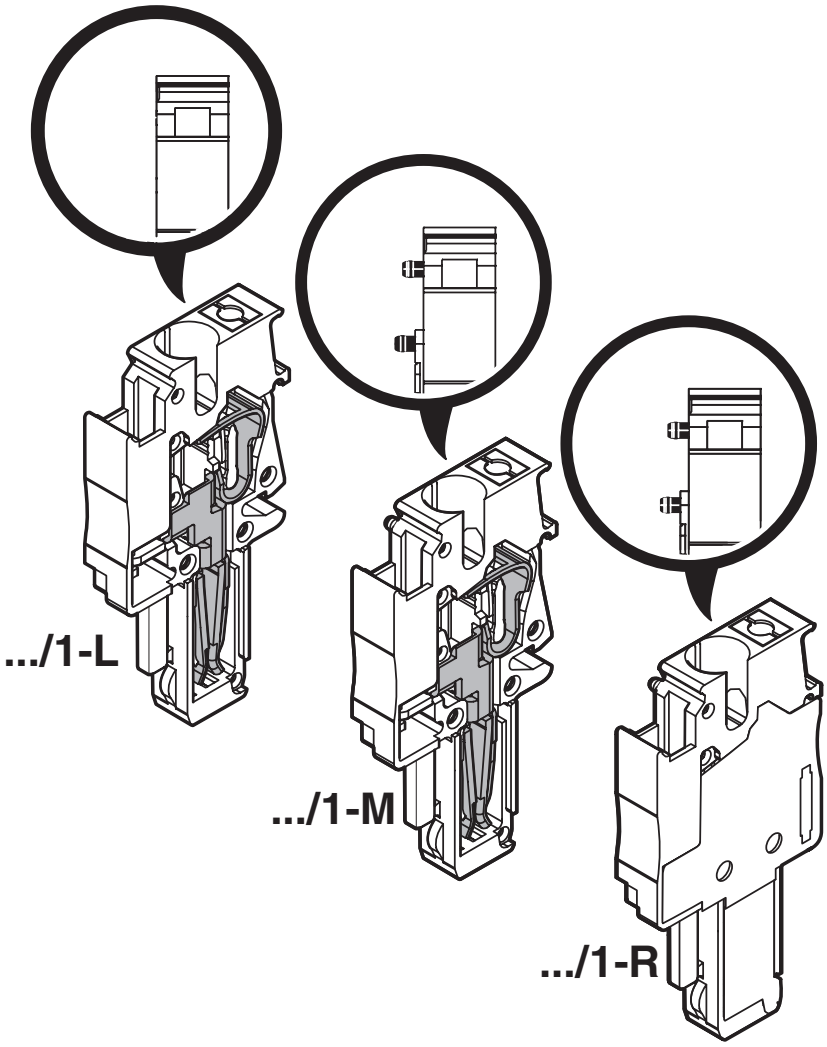
Ambient temperature (operation)	-60 °C ... 105 °C (max. short-term operating temperature RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (storage/transport)	30 % ... 70 %

Standards and regulations

Connection in acc. with standard	IEC 61984

Drawings

Schematic diagram



Circuit diagram



Approvals

CSA
Approval ID: 13631

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Use group B				
	600 V	50 A	24 - 8	-
Use group C				
	600 V	50 A	24 - 8	-

IECEE CB Scheme
Approval ID: DE1-62748

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	1000 V		-	0.2 - 6

EAC
Approval ID: RU C-DE.BL08.B.00511

cULus Recognized
Approval ID: E60425

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Use group B				
	600 V	40 A	24 - 8	-
Use group C				
	600 V	40 A	24 - 8	-

VDE report with production monitoring
Approval ID: 40034876

	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
	1000 V		-	0.2 - 6

Classifications

ECLASS

ECLASS-9.0	27141151
ECLASS-10.0.1	27141151
ECLASS-11.0	27141151

ETIM

ETIM 8.0	EC002021

UNSPSC

UNSPSC 21.0	39121400

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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