

# UP 4/ 1-R - Plug

3060089

<https://www.phoenixcontact.com/us/products/3060089>



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, nom. voltage: 800 V, nominal current: 32 A, number of positions: 1, connection method: Screw connection, Rated cross section: 4 mm<sup>2</sup>, cross section: 0.2 mm<sup>2</sup>- 6 mm<sup>2</sup>, color: gray

## Product description

Connector element right, left housing with engagement pin, right closed with cover

## Your advantages

- The screw plugs can be combined with COMBI terminal blocks with all forms of connection technology and are available in two versions
- The COMBI plugs for self-assembly provide solutions that users can implement themselves
- The plugs are assembled directly on site by snapping together 1-position plug elements
- The plug design enables space-saving potential distribution by using four-conductor terminal blocks with two slots

## Commercial data

Item number	3060089
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE01
Product key	BE1144
Catalog page	Page 336 (C-1-2019)
GTIN	4046356090209
Weight per piece (including packing)	5.286 g
Weight per piece (excluding packing)	4.788 g
Customs tariff number	85366990
Country of origin	TR

# UP 4/ 1-R - Plug

3060089

<https://www.phoenixcontact.com/us/products/3060089>



## Technical data

### Product properties

Product type	Terminal plug
Number of positions	1
Pitch	6.2 mm
Potentials	1

### Insulation characteristics

Overvoltage category	III
Degree of pollution	3

### Electrical properties

Rated surge voltage	8 kV
---------------------	------

### Connection data

Nominal cross section	4 mm <sup>2</sup>
Screw thread	M3
Tightening torque	0.6 ... 0.8 Nm
Stripping length	9 mm
Internal cylindrical gage	A4
Connection in acc. with standard	IEC 61984
Conductor cross section rigid	0.2 mm <sup>2</sup> ... 6 mm <sup>2</sup>
Cross section AWG	24 ... 10 (converted acc. to IEC)
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 6 mm <sup>2</sup>
Conductor cross section, flexible [AWG]	24 ... 10 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.25 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Flexible conductor cross section (ferrule with plastic sleeve)	0.25 mm <sup>2</sup> ... 4 mm <sup>2</sup>
2 conductors with same cross section, solid	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
2 conductors with same cross section, flexible	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Nominal current	32 A
Maximum load current	32 A (with 6 mm <sup>2</sup> conductor cross section)
Nominal voltage	800 V
Nominal cross section	4 mm <sup>2</sup>

### Dimensions

Width	6.2 mm
Height	21 mm
Depth	41.2 mm
Length	21 mm
Pitch	6.2 mm

# UP 4/ 1-R - Plug

3060089

<https://www.phoenixcontact.com/us/products/3060089>



## 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
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 (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
----------------------------------	-----------

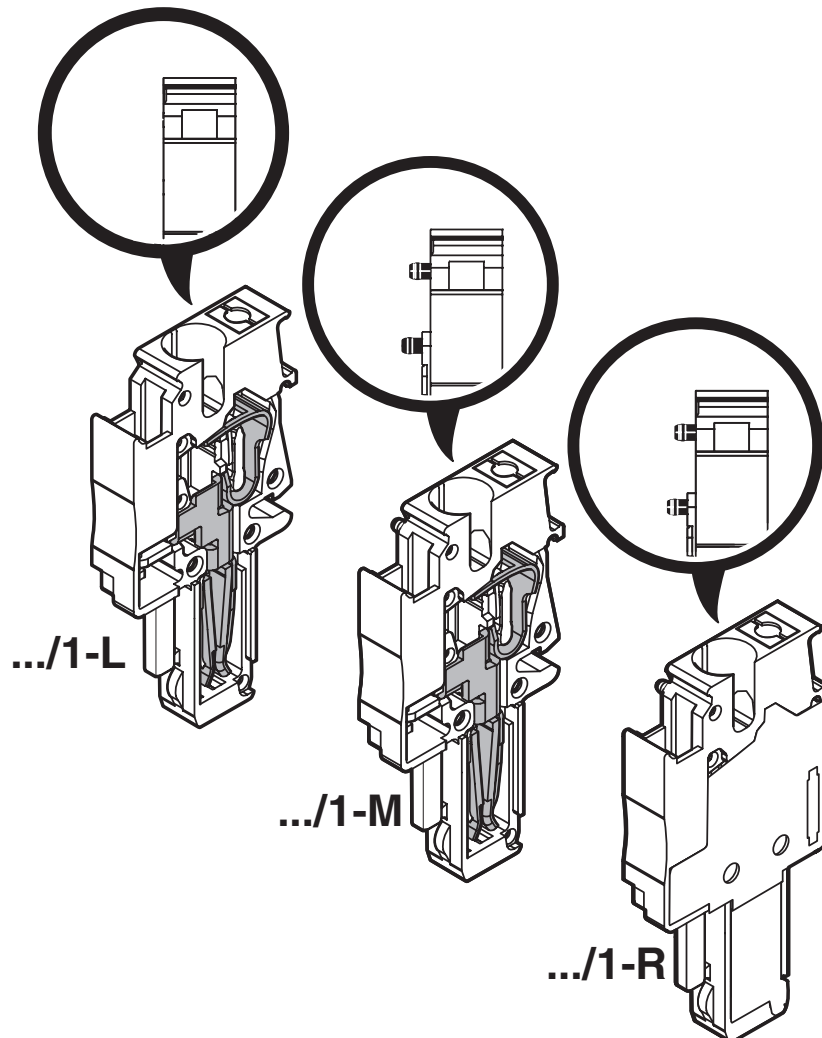
# UP 4/ 1-R - Plug

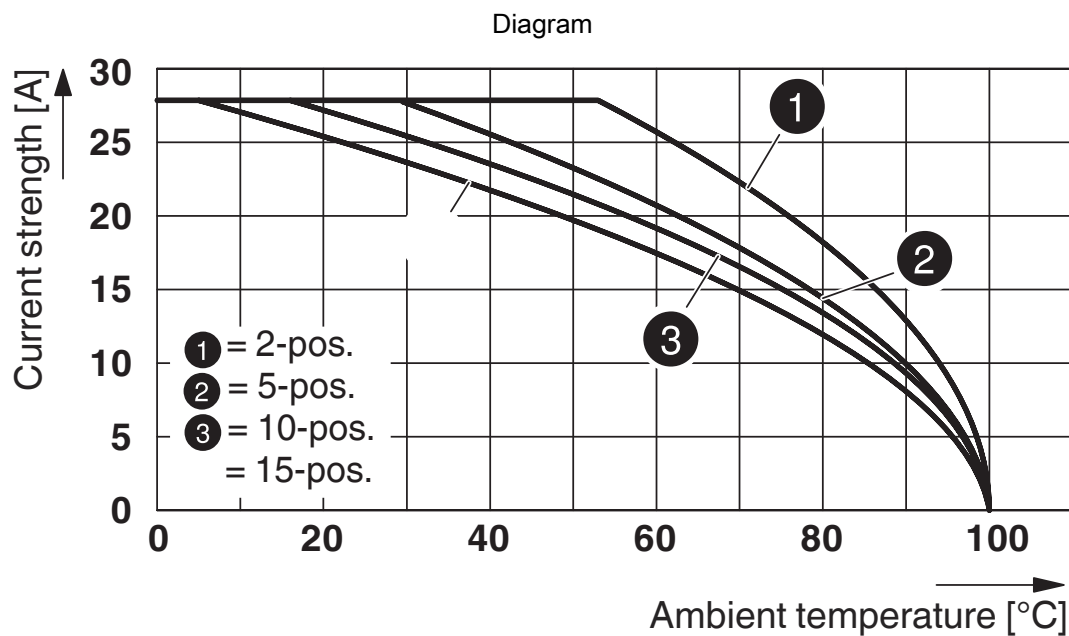
3060089

<https://www.phoenixcontact.com/us/products/3060089>

## Drawings

Schematic diagram





Circuit diagram



# UP 4/ 1-R - Plug

3060089

<https://www.phoenixcontact.com/us/products/3060089>



## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3060089>



**CSA**

Approval ID: 13631



**IECEE CB Scheme**

Approval ID: NL-34722\_A1

	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	800 V	32 A	-	-



**cULus Recognized**

Approval ID: E60425



**KEMA-KEUR**

Approval ID: 71-114072 REV.1

	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
	800 V	32 A	-	-



**CSA**

Approval ID: 13631



**EAC**

Approval ID: EACKZ 08593



**cULus Recognized**

Approval ID: E60425

# UP 4/ 1-R - Plug

3060089

<https://www.phoenixcontact.com/us/products/3060089>



## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

# UP 4/ 1-R - Plug

3060089

<https://www.phoenixcontact.com/us/products/3060089>



## 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%

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

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)