product data sheet

item no. 46.031.5050.4

device connector RST16I3 S B1 M02 L BR

RST® MINI device connector, standard, straight, M16, number of poles 3, model female, connection type screw connection, rated voltage 50 V / 120 V, rated current 16 A, color of coding/ contact carrier signal brown



item no.	46.031.5050.4
EAN	4049088279829
order unit	100 piece(s)

certificates / approvals

technical data

note

note	RST® terminals with screw clamping allow the connection of conductors without special preparation (without ferrules) according to EN 60999-1.positioning realised with flattened thread

general

rated current	16 A
rated voltage	50 V / 120 V
pollution degree	3
rated impulse voltage	4 kV
continuity resistor	0.75 mOhm
lockable	self-locking (unlocking by hand)
color of coding/ contact carrier	signal brown
Pole codification	1, 2, 3

connection data

connection cross section solid mm² max.	2.5 mm²
connection cross section solid mm² min.	0.25 mm²
connection cross section fine stranded mm² max.	2.5 mm²
connection cross section fine stranded mm² min.	0.25 mm²
terminations per pole	1
wire strip length	8 mm
connection cross section stranded mm² min.	0.25 mm²
connection cross section stranded mm² max.	1.5 mm²

model

model	female
connection type	screw connection
connecting thread metric	M16
angle of plug	straight
degree of protection (IP)	IP66/68 (3m;2h) /IP69

thickness of housings (electrical device)	0.5 mm
thickness of housings (electrical device)	5 mm

material

housing material	polyamide
halogen free	yes
contact material	CuZn
fire load	0.059 kWh/St
insulation components continous temperature	100 °C
surface finish	silver-plated

dimensions

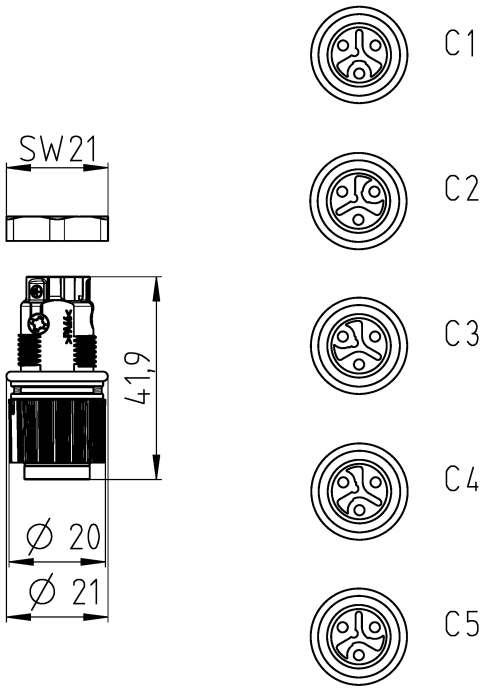
length	41.9 mm
width	19.9 mm
height	19.9 mm

accessories

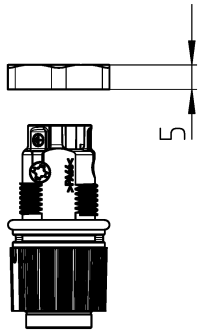
item no.	type	description
06.563.8653.1	cover for female connector SW	RST16i3/2 cover piece, for covering unused female connectors, color black
06.563.8753.1	cover for female connector SW	RST16i3/2 cover piece, for covering unused female connectors, with fastening belt, color black

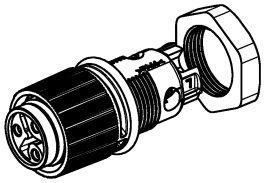
technical drawing

Kodierung
/Coding



Auslieferungszustand
delivery condition

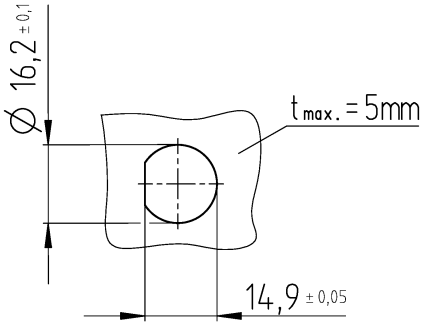




46.031.5050.6	RST1613 S B1 M02 TB	C5	**türkisblau** /turquoise blue
46.031.5053.9	RST1613 S B1 M02 H BL	C4	**lichtblau** /light blue
46.031.5050.4	RST1613 S B1 M02 L BR	C3	**signalbraun** /signal brown
46.031.5055.7	RST1613 S B1 M02 GN	C2	**laubgrün** /leaf green
46.031.5053.1	RST1613 S B1 M02 SW	C1	**schwarz** /black
46.031.5053.0	RST1613 S B1 M02 GL	C1	**lichtgrau** /light grey
Bestellnummer /Order number	Typ /Type	Kodierung /Coding	Farbe /Colour

Weitere Daten siehe KATALOG oder eKatalog. Additional data see CATALOG or eCatalog.
www.wieland-electric.com
eshop.wieland-electric.com

Gehäuseausschnitt
/section of housing



Tolerierung Size ISO 14405 Ⓔ / Tolerance system Size ISO 14405 Ⓔ.
(This ISO-standard describes the envelope principle. According to the envelope principle the deviations of form and parallelism are limited by the size tolerances).

ja/yes ☒ Stoffverbots- und Deklarationsliste nach WN 5020.010 ist einzuhalten. Conformity with Wieland document WN 5020.010 e (list of prohibited / declarable hazardous substances) to be declared!

Freitoleranz nach General tolerance

CAD - Zeichnung, keine manuellen Änderungen
CAD - drawing, no manual modifications allowed

1. Verwendung: First Use:

Blatt: 1 von 1
Sheet: 1 of 1

Werkstoff / Material

Maßstab / Scale: 1:1

gezeichnet drawn: Tag/Date 04.07.2014, Name Treschan

Elektronische Freigabe
Electronic Release

Zeichnung Nr. / Drawing No.: T 46.031.5053.0 13K

Index: c

Maße in mm / Dimensions are in mm

Index	Datum / Blatt Date / Sheet	Änderung / Revision
c	01.09.2026 /	
b	26.08.2026 /	
a	06.10.2014 /	

Vol. mm³ Ofl./Srf. mm²

Ersatz für / Replacement for:

wieland

Type: RST1613

Benennung/Title

BUCHSENTEIL

Geräteanschluss 3-polig

female connector, device connection, 3 poles

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Vertraulichkeitsklasse: Vertraulich / confidential

These dimensions will be especially checked at delivery
Only inspection dimensions
With /E marked dimensions are only valid for internal use

Diese Maße werden bei Abnahme besonders geprüft
Ausschließlich Prüfmaße
Mit /E gekennzeichnete Maße sind nur für interne Zwecke gültig

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01-QU-RD-32/21