product data sheet

item no. 46.031.5054.1

device connector RST16I3/2S B1 M02 SW

RST® MINI device connector, standard, straight, M16, number of poles 2, model female, connection type screw connection, rated voltage 250 V / 400 V, rated current 16 A, color of coding/ contact carrier black



item no.	46.031.5054.1
EAN	4049088296093
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	250 V / 400 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	black
Pole codification	L, N

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

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	0.057 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

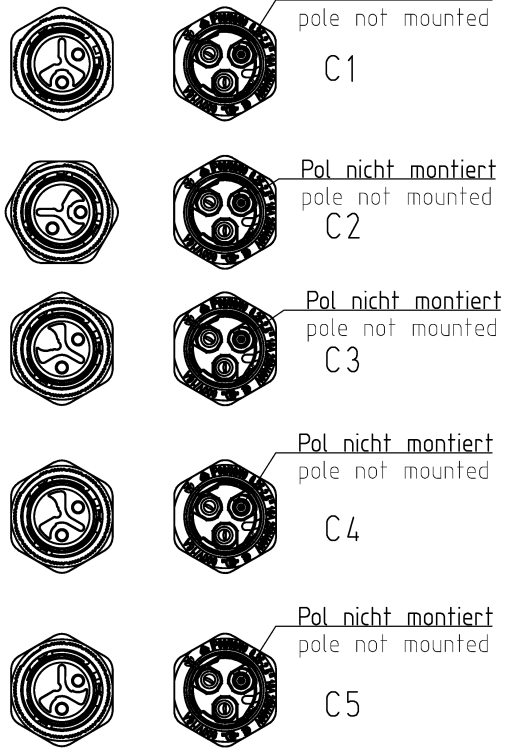
technical drawing

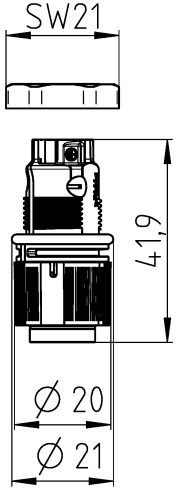
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These dimensions will be especially checked at delivery
Only inspection dimensions
With Ⓔ marked dimensions are only valid for internal use

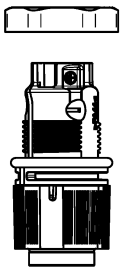
Diese Maße werden bei Abnahme besonders geprüft
Ausschließlich Prüfmaße
Mit Ⓔ gekennzeichnete Maße sind nur für interne Zwecke gültig

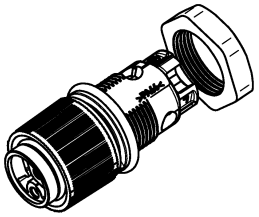
Kodierung /coding

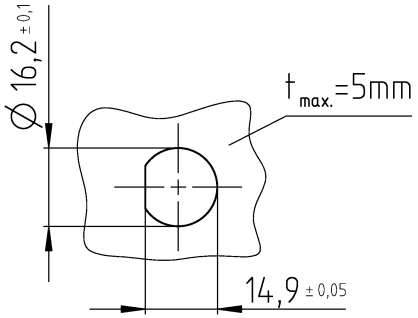




Auslieferungszustand
delivery status







Gehäuseausschnitt/
section of housing

46.031.5051.6	RST16i3/2S B1 M02 A TB	C5	türkisblau /turquoiseblue
46.031.5054.9	RST16i3/2S B1 M02 H BL	C4	lichtblau /lightblue
46.031.5051.4	RST16i3/2S B1 M02 L BR	C3	signalbraun /signalbrown
46.031.5056.7	RST16i3/2S B1 M02 GN	C2	laubgrün /leaf green
46.031.5054.1	RST16i3/2S B1 M02 SW	C1	schwarz /black
46.031.5054.0	RST16i3/2S B1 M02 GL	C1	lichtgrau /lightgrey
Bestellnummer /order number	Typ /type	Kodierung /coding	Farbe /color

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

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

Index	Datum / Blatt Date / Sheet	Änderung / Revision
c	01.09.2026 /	
b	13.10.2020 /	
a	09.05.2019 /	

Werkstoff / Material

Maßstab / Scale: 1:1

	Tag/Date	Name
gezeichnet drawn	22.07.2016	Hollet
geprüft checked		
Normgepr. Stand. check		

Vol. mm³ Ofl./Srf. mm²

Ersatz für / Replacement for:

Zeichnung Nr. / Drawing No.: T 46.031.5054.0 13K

Index: c

Maße in mm / Dimensions are in mm

wieland
www.wieland-electric.com

Type: RST16i3

Bennenung/Title

BUCHSENTEIL

Geräteanschluss, 3-polig
female connector, device connection, 3 poles

2026-10-19 14:17:49 1.000

QU-MEE-01/14 a