product data sheet

item no. 96.031.0153.1

connector RST20I3F B2 ZR2 SW

RST® CLASSIC connector, straight, number of poles 3, female, connection type spring clamp connection, rated voltage 250 V, rated current 20 A, cable diameter 10 - 14 mm, color of coding/ contact carrier black



item no.	96.031.0153.1
EAN	4015573743489
order unit	100 piece(s)

certificates / approvals

technical data

note

note	fine stranded and stranded conductors require cable end sleeve

general

rated current	20 A
rated voltage	250 V
rated impulse voltage	4 kV
strain relief	yes
pollution degree	3
lockable	self-locking (unlocking by tool)
color of coding/ contact carrier	black
Pole codification	L, N, PE
color of housing inclusive strain relief	black
RAL-Nummer Codierung/Kontakteinsatz	9005

connection data

cable diameter max.	14 mm
cable diameter min.	10 mm
connection cross section solid mm² max.	2.5 mm²
connection cross section solid mm² min.	0.5 mm²
connection cross section fine stranded mm² max.	1.5 mm²
connection cross section fine stranded mm² min.	0.5 mm²
terminations per pole	2
connection cross section stranded mm² min.	0.75 mm²
connection cross section stranded mm² max.	1.5 mm²
sheath strip length	35 mm
wire strip length	14.5 mm

model

model	female
connection type	spring clamp connection

degree of protection (IP)	IP66/68 (3m;2h) /IP69

material

housing material	polyamide
halogen free	yes
contact material	CuZn
fire load	0.291 kWh/St
insulation components continous temperature	100 °C
surface finish	silver-plated

dimensions

length	82 mm
width	34.6 mm
height	34.6 mm

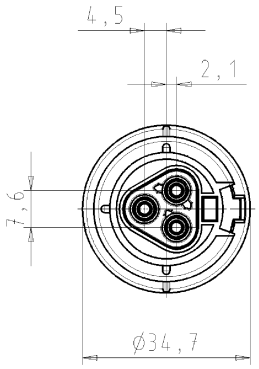
accessories

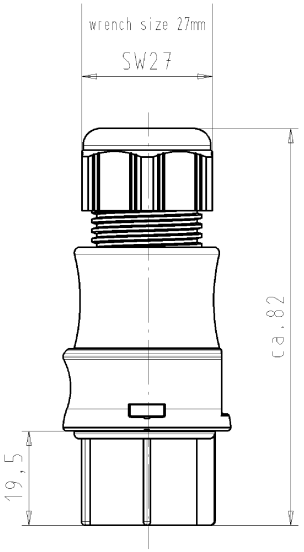
item no.	type	description
99.414.6205.2	cover for female connector SW	RST20i3/2 cover piece, for covering unused female connectors, with fastening belt, color black
Z5.564.4553.1	cover for female connector SW	RST20i3/2 cover piece, for covering unused female connectors, color black
06.502.4300.0	screwdriver DIN 5264 A 0,4 X 2,5	Screw driver according to DIN 5264 A, blade: 0.4x2.5 mm, long and straight version
95.101.1300.0	ferrule crimping tool 0,08 - 10 mm²	Crimping tool for ferrules, wire strip length: 7-28 mm, nominal cross section: 0,08-10 mm², length of tool: 180 mm
06.600.3627.0	ferrule DIN 46228-E1-12	RST ferrule, for spring clamp contact, with insulating sleeve, for cross section 1.0 mm²/AWG17
06.600.3727.0	ferrule DIN 46228-E0,75-12	RST ferrule, for spring clamp contact, with insulating sleeve, for cross section 0.75-1.0 mm²/AWG17
06.600.3827.0	ferrule DIN 46228-E0,5-10	RST ferrule, for spring clamp contact, with insulating sleeve, for cross section 0.5 mm²/AWG20
06.600.3927.0	ferrule DIN 46228-E1,5-12	RST ferrule, for spring clamp contact, with insulating sleeve, for cross section 1.5 mm²/AWG16

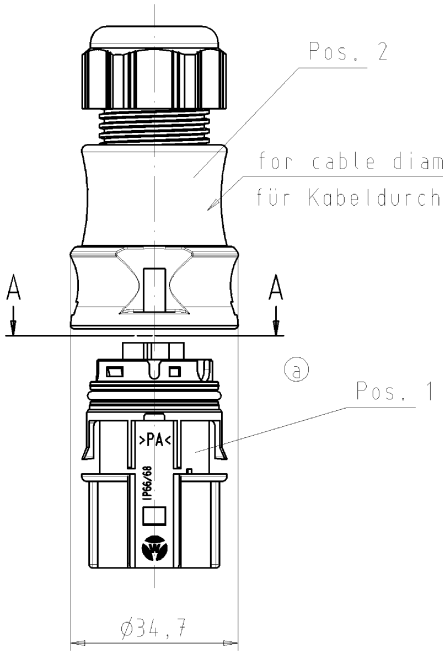
assembly

item no.	type	description
96.030.0153.1	distributor RST20I3V 3P1 F V SW	RST® CLASSIC distributor, parallel connection, with fastening option, number of poles 3, rated voltage 250 V, rated current 20 A, number of inputs 1, number of outputs 3, color of coding/ contact carrier black
96.032.1053.1	device connector RST20I3F S2 M01V SW	RST® CLASSIC device connector, standard, straight, M25, number of poles 3, model male, connection type spring clamp connection, rated voltage 250 V, rated current 20 A, color of coding/ contact carrier black
96.032.2153.1	device connector RST20I3F S2 M03V SW	RST® CLASSIC device connector, modular, straight, M16, number of poles 3, model male, connection type spring clamp connection, rated voltage 250 V, rated current 20 A, color of coding/ contact carrier black
96.032.2053.1	device connector RST20I3F S2 M00V SW	RST® CLASSIC device connector, modular, straight, M20, number of poles 3, model male, connection type spring clamp connection, rated voltage 250 V, rated current 20 A, color of coding/ contact carrier black
96.034.2053.1	device connector RST20I3F S2 M90V SW	RST® CLASSIC device connector, modular, angled 90°, M20, number of poles 3, model male, connection type spring clamp connection, rated voltage 250 V, rated current 20 A, color of coding/ contact carrier black
96.036.2153.1	device connector RST20I3F S2 M13V SW	RST® CLASSIC device connector, modular, angled 7°, M16, number of poles 3, model male, connection type spring clamp connection, rated voltage 250 V, rated current 20 A, color of coding/ contact carrier black

technical drawing



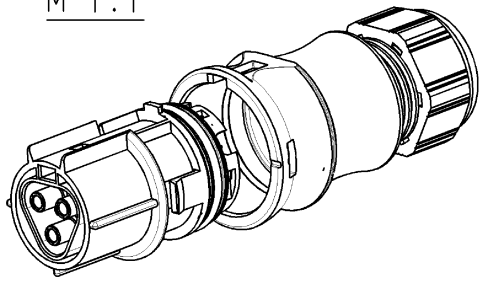




view A-A
Ansicht A-A



M 1:1



Verpackungseinheit: je 100 Stk.
packaging unit: per 100

ⓑ

Teile-Nr./ part-nr.	Pos. 1 Kontaktteil contact part	Pos. 2 Griffhülse grip sleeve
96.031.0153.1	schwarz / black	schwarz / black
96.031.0153.0	lichtgrau / lightgrey	lichtgrau / lightgrey
G0.000.0353.7	lichtgrau / lightgrey	schwarz / black

Tolerierung nach DIN 7167/Tolerance system acc. to DIN 7167.
[This DIN-standard desbribes 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 QU-TGM-05/03 ist einzuhalten. Conformity with Wieland document QU-TGM-05/03 [list of prohibited / declarable hazardous substances] to be declared!

Freitoleranz nach General tolerance 16901 Toleranzgruppe 130

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

1.Verwendung: First Use: -

Blatt: Sheet: 1 von of 1

Werkstoff/Material
Werkstoff und Oberfläche: material and sureface:
Farbe: siehe Tabelle color: look table

Maßstab/Scale 1:1

Vol. mm³ Ofl./Surf. mm²

Ersatz für/Replacement for: -

	Tag/Date	Name
2003		
gezeichnet drawn	21.10.	Kneitz
geprüft checked	-	-
Normgeprüft Stand. check	-	-

Zeichnung Nr./Drawing No. T 96.031.0153.0 01K Index b

Maße in mm/Dimensions are in mm

Index	Datum / Blatt Date / Sheet
b	15.02.2008/
a	29.04.2005/

Änderung/Revision

wieland
Elektrische Verbindungen

Type

Benennung/Title
BUCHSENTEIL_MIT_ZUGENTLASTUNG
female connector with cord grip
RST2013F B2 ZR2 V

QU-PEM-08/91

9603101530O1K_4 G4DW1044 tresch on 2008-02-15T12:19:46 1.000

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These dimensions will be especially checked at delivery
Only inspection dimensions
With Æ marked dimensions are only valid for internal use
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Ausschließlich Prüfmaße
Mit Æ gekennzeichnete Maße sind nur für interne Zwecke gültig