product data sheet

item no. 96.031.0053.1

connector RST20I3F B2 ZR1 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 6 - 10 mm, color of coding/ contact carrier black



item no.	96.031.0053.1
EAN	4015573743465
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.	10 mm
cable diameter min.	6 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

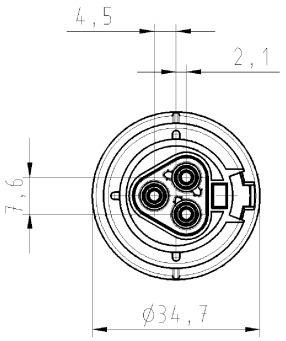
accessories

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

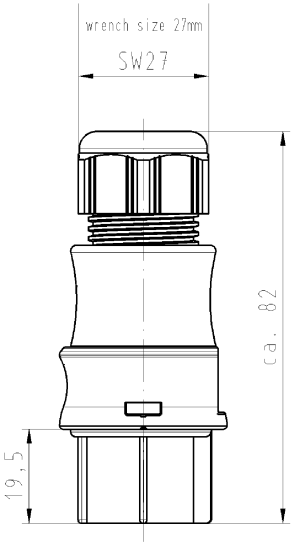
technical drawing

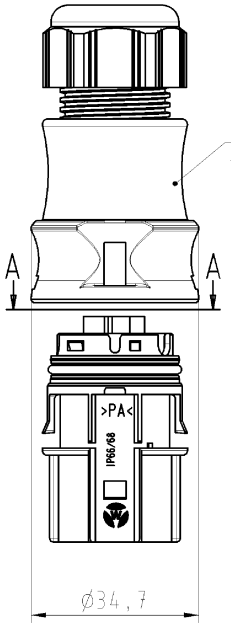


view A-A
Ansicht A-A

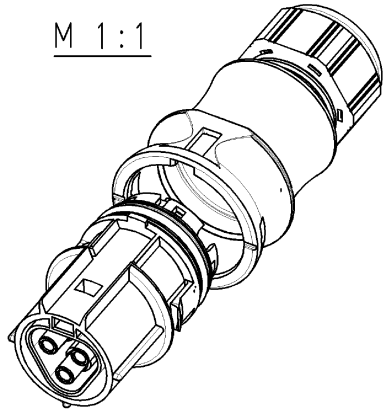


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M 1:1



Verpackungseinheit: je 100 Stk.
packaging unit: per 100

Teile-Nr./ part-nr.	Farbe:/ color:	Einz.-Tl.-Nr.: *)/ single-part-nr.:*)
96.031.0053.1	schwarz, ähnl. RAL 9005/ black, similar to RAL 9005	.._..._...._1
96.031.0053.0	lichtgrau, ähnl.RAL 7035/ lightgrey, similar to RAL 7035	.._..._...._0

Freitoleranz nach 16901 Toleranzgruppe 130 | CAD - Zeichnung, keine manuellen Änderungen | 1.Verwendung: - | Bl.: 1 von 1

Maßstab 1:1 | Werkstoff und Oberfläche: material and sureface: Farbe: siehe Tabelle color: look table | Vol. mm³ | Mass mm³

	2003	Tag	Name
Entworfen	21.10.		Kneitz
Geprüft	-		-
Normgepr.	-		-

Zeichnung Nr. T 96.031.0053.0 01K | Index a

Ersatz für: -

a 29.04.2005/ Buchstabe Datum / Blatt Änderung

wieland Elektrische Verbindungen

Benennung
BUCHSENTEIL_MIT_ZUGENTLASTUNG
female connector with cord grip
RST2013F B2 ZR1 V

9603100530301K_4 C4DW007 Kneitz 2005-04-29T10:46:35 1.000

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