product data sheet

item no. 96.031.0051.4

connector RST20I3F B2 ZR1S L BR0

RST® CLASSIC connector, straight, number of poles 3, female, connection type spring clamp connection, rated voltage 50 V / 120 V, rated current 20 A, cable diameter 6 - 10 mm, color of coding/ contact carrier signal brown



item no.	96.031.0051.4
EAN	4015573954595
order unit	100 piece(s)

certificates / approvals

c UL us LISTED

technical data

note

note	fine stranded and stranded conductors require cable end sleeve

general

rated current	20 A
rated voltage	50 V / 120 V
rated impulse voltage	4 kV
strain relief	yes
pollution degree	3
lockable	self-locking (unlocking by tool)
color of coding/ contact carrier	signal brown
marking of poles	1, 2, PE
color of housing inclusive strain relief	black
RAL-Nummer Codierung/Kontakteinsatz	8002

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	0.295 kWh/St
insulation components continous temperature	100 °C
surface finish	silver-plated

dimensions

length	82 mm
width	34.6 mm
height	34.6 mm

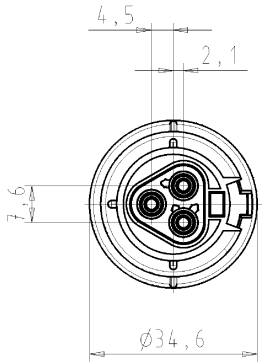
accessories

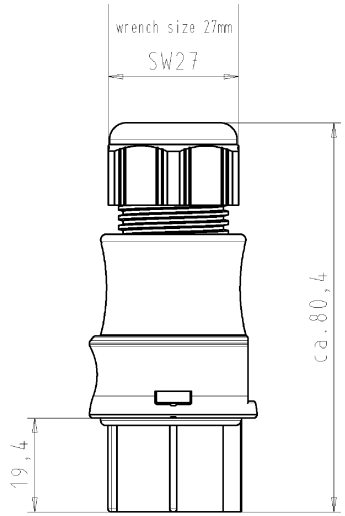
item no.	type	description
99.414.6205.2	cover for female connector SW	RST20i3/2 cover piece, for covering unused female connectors, with fastening belt, color black
Z5.564.4553.1	cover for female connector SW	RST20i3/2 cover piece, for covering unused female connectors, color black
05.564.8653.1	manual disconnect RST20i3/i5 SCHWARZ	Manual disconnect for later installation of RST 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
96.030.0151.4	distributor RST20I3V 3P1 F V L BR0	RST® CLASSIC distributor, parallel connection, with fastening option, number of poles 3, rated voltage 50 V / 120 V, rated current 20 A, number of inputs 1, number of outputs 3, color of coding/ contact carrier signal brown
96.032.1051.4	device connector RST20I3F S2 M01VL BR0	RST® CLASSIC device connector, standard, straight, M25, number of poles 3, model male, connection type spring clamp connection, rated voltage 50 V / 120 V, rated current 20 A, color of coding/ contact carrier signal brown
96.032.2151.4	device connector RST20I3F S2 M03VL BR0	RST® CLASSIC device connector, modular, straight, M16, number of poles 3, model male, connection type spring clamp connection, rated voltage 50 V / 120 V, rated current 20 A, color of coding/ contact carrier signal brown
96.032.2051.4	device connector RST20I3F S2 M00VL BR0	RST® CLASSIC device connector, modular, straight, M20, number of poles 3, model male, connection type spring clamp connection, rated voltage 50 V / 120 V, rated current 20 A, color of coding/ contact carrier signal brown
96.034.2051.4	device connector RST20I3F S2 M90VL BR0	RST® CLASSIC device connector, modular, angled 90°, M20, number of poles 3, model male, connection type spring clamp connection, rated voltage 50 V / 120 V, rated current 20 A, color of coding/ contact carrier signal brown
96.036.2151.4	device connector RST20I3F B2 M13 L BR01	RST20i3 device connector (7° angled) M16, 3 pole, male, spring clamp connection, modular, application ~50V/-120V with PE, 20A, coding color signal brown, color of housing black

technical drawing

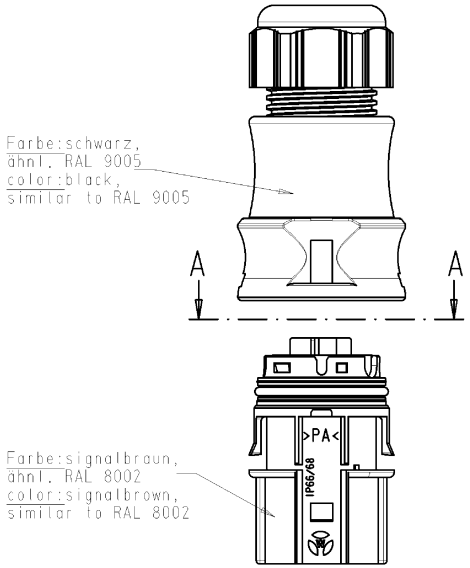




These dimensions will be especially checked at delivery
Only inspection dimensions
With /E marked dimensions are only valid for internal use

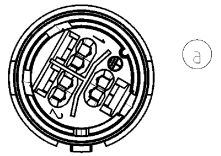
Diese Maße werden bei Abnahme besonders geprüft
Ausschließlich Prüfmaße
Mit /E gekennzeichnete Maße sind nur für interne Zwecke gültig

Auslieferungszustand
delivery status

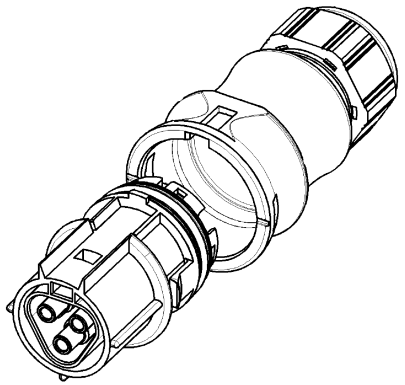


Verpackungseinheit: je 100 Stück
packaging unit: per 100

A-A



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Type/type:RST2013F B2 ZR1S L BR01

Toleranzierung Size ISO 14405Ⓔ/Tolerance system Size ISO 14405Ⓔ. (This ISO-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 UU-TOM-05/03 ist einzuhalten. Conformity with Wieland document UU-TOM-05/03 (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: Sheet: 1 von of 1	
	/	Werkstoff/Material	2007	Tag/Date	Name	Zeichnung Nr./Drawing No.	Index
	/		gezeichnet drawn	19.01.	Kneitz	96.031.0051.4 01K	a
	/	Maßstab/Scale 1:1	geprüft checked	-	-		
	/		Normgepr. Stand. check	-	-	Maße in mm/Dimensions are in mm	
	/	Vol. mm³	Oft./Surf. mm²	Ersatz für/Replacement for: -			
a	12.09.2013/	wieland Elektrische Verbindungen	Type	Benennung/Title BUCHSENTEIL_MIT_ZUGENTLASTUNG female connector with cord grip Federkraftanschluß/spring-clamp connection Kodierung I 150V/20AI			
Index	Datum / Blatt Date / Sheet						
Änderung/Revision							

96031005140 1K_2 CADW3D28 Tresch on 2013-09-12 T05:51:3 1.000

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