product data sheet

item no. 96.031.0151.4

connector RST20I3F B2 ZR2S L BR0

RST20i3 Connector, straight, number of poles 3, female, connection type spring clamp connection, rated voltage 50 V / 120 V, rated current 20 A, cable diameter 10 - 14 mm, color of coding/ contact carrier signal brown



item no.	96.031.0151.4
EAN	4015573954809
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

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

dimensions

length	82 mm
width	34.6 mm
height	34.6 mm

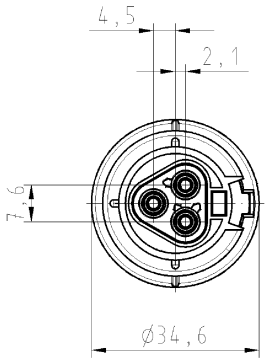
accessories

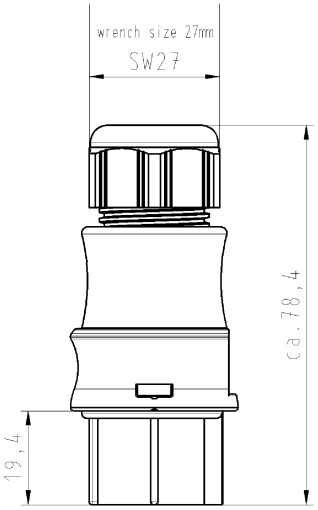
item no.	type	description
99.414.6205.2	cover for female connector SW	RST20i3/2 cover piece, for covering unused female connectors, with fastening belt, color black
Z5.564.4553.1	cover for female connector SW	RST20i3/2 cover piece, for covering unused female connectors, color black
05.564.8653.1	manual 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

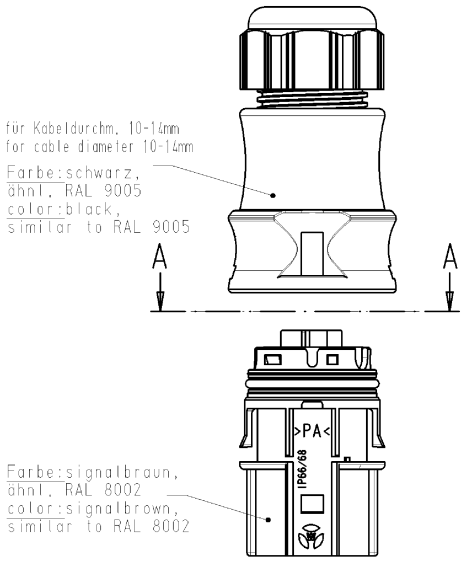
item no.	type	description
96.030.0151.4	distributor RST20I3V 3P1 F V L BR0	RST20i3 Distributor, parallel connection, with fastening option, number of poles 3, rated voltage 50 V / 120 V, rated current 20 A, number of inputs 1, number of outputs 3, color of coding/ contact carrier signal brown
96.032.1051.4	device connector RST20I3F S2 M01VL BR0	RST20i3 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	RST20i3 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	RST20i3 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	RST20i3 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





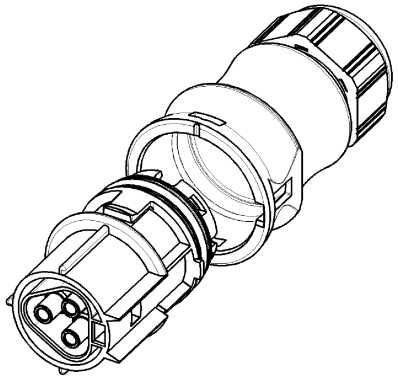
Auslieferungszustand
delivery status



Verpackungseinheit: je 100 Stück
packaging unit: per 100

A-A





Type/type: RST20I5F B2 ZR2S L BR01

Weitergabe sowie Vervielfältigung dieses Dokuments, Verwertung und Mitteilung seines Inhalts sind verboten, soweit nicht ausdrücklich gestattet. The reproduction, distribution and utilization of this document as well as the communication of its contents to others without express authorization is prohibited.

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

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

Toleranz 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-TQM-05/03 ist einzuhalten. Conformity with Wieland document QU-TQM-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

Maßstab/Scale: 1:1

	Tag/Date	Name
2007		
gezeichnet/drawn	19.01.	Kneitz
geprüft/checked	-	-
Normgep. Stand./check	-	-

Zeichnung Nr./Drawing No.: 96.031.0151.4 01K

Index:

Maße in mm/Dimensions are in mm

Vol. mm³ Ofl./Surf. mm²

Ersatz für/Replacement for: -

wieland
Elektrische Verbindungen

Type:

Benennung/Title:
BUCHSENTEIL_MIT_ZUGENTLASTUNG
female connector with cord grip
Federkraftanschluß/spring clamp connection
Kodierung 1 (50V/20A)

Index | Datum / Blatt / Date / Sheet
Änderung/Revision

QU-PEM-08/91

96031015401K_4 C4DW1019 Kneitz 2007-01-19T12:22:27 1.000