Data sheet

Commercial Art.No.: 96.041.4053.1

Connector RST20I4S B1 ZR1 SW

RST20i5/4 connector, 4 pole, female, screw connection, application 250/400V with PE, 20A, for cable diameters 6-10mm, coding color black, color of housing black

Commercial Art.No.	96.041.4053.1
EAN	4015573863200
Order Unit	1

Certificates / Approvals

CQC   CSA   DNV GL   LR   RINA   VDE

Technical data

General

Rated current	20 A
Rated voltage	250 V / 400 V
Rated impulse voltage	4 kV
strain relief	yes
Pollution degree	3
Lockable	self-locking (unlocking by tool)
Color of coding/ contact carrier	black
Marking of poles	1, 2, 3, PE
Color of housing inclusive strain relief	black

Connection Data

Cable diameter max.	10 mm
Cable diameter min.	6 mm
Connection cross section solid mm² max.	4 mm²
Connection cross section solid mm² min.	0.75 mm²
Connection cross section solid AWG min.	18 AWG
Connection cross section solid AWG max.	14 AWG
Connection cross section fine stranded mm² max.	4 mm²
Connection cross section fine stranded mm² min.	0.75 mm²
Terminations per pole	1
Connection cross section stranded mm² min.	0.75 mm²
Connection cross section stranded mm² max.	4 mm²
Connection cross section stranded AWG min.	18 AWG
Connection cross section stranded AWG max.	14 AWG
sheath strip length	26.5 mm

Wire strip length	8 mm

Model

Model	female
Connection type	screw connection
Degree of protection (IP)	IP66/68 (3m;2h) /IP69

Material

Housing material	Polyamide
halogen free	yes
Contact material	CuZn
Fire load	0.293 kWh
Insulation components continous temperature	100 °C
Surface finish	Silver-plated

Dimensions

Length	80.4 mm
Width	34.6 mm
Height	34.6 mm

Classification

ECLASS 11	
ECLASS 8.1	27440605
ETIM 7.0	EC002560
ETIM 6.0	EC002560
ETIM 5.0	EC002560
ETIM 4.0	EC002560

Note

Note	RST® terminals with screw clamping allow the connection of conductors without special preparation (without ferrules) according to EN 60999-1.

Product compliance

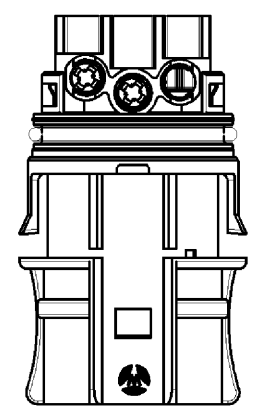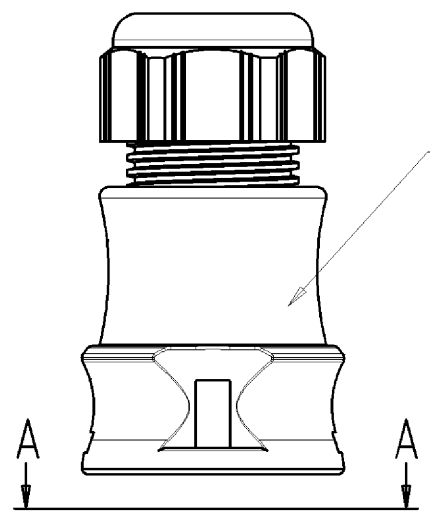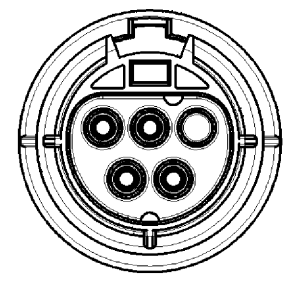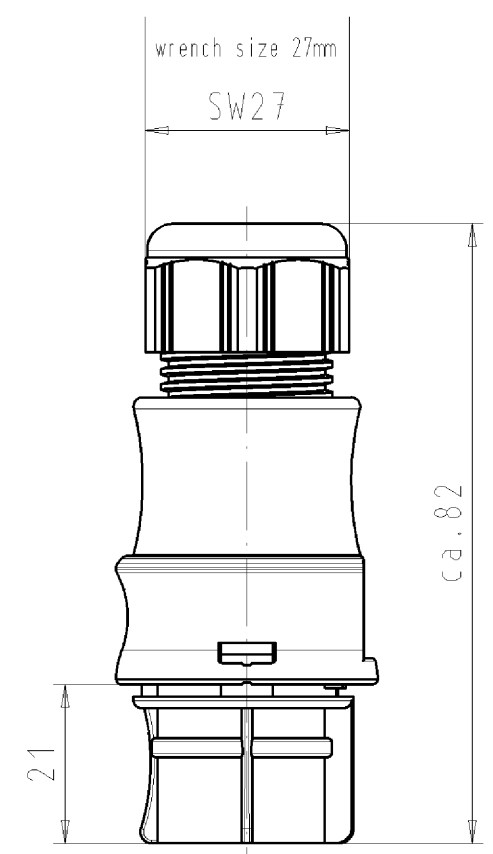| ROHS conformity status	Compliant/Exempted
ROHS exceptions	III-6(c)
REACH-SVHC conformity status	Duty-To-Declare
REACH-SVHC substances	Lead
REACH-SVHC CAS numbers	7439-92-1

Accessories

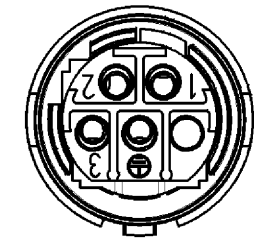| Commercial Art.No.:	Article-type description:	Description:
99.530.0000.7	Cover for female connector SW	RST20i5/4 cover piece, for covering unused female connectors, with fastening belt, color black
Z5.565.9853.1	Cover for female connector SW	RST20i5/4 cover piece, for covering unused female connectors, color blac
05.564.8653.1	Opener RST20i3/i5 SCHWARZ	Manual disconnect for later installation of RST connectors, color black

Fits with

Commercial Art.No.:	Article-type description:	Description:
96.042.4053.1	Connector RST20I4S S1 ZR1 V SW	RST20i5/4 connector, 4 pole, male, screw connection, application 250/400V with PE, 20A, for cable diameters 6-10mm, coding color black, color of housing black
96.044.4053.1	Connector RST20I4S S1 YR1 V SW	RST20i5/4 connector (90° angled), 4 pole, male, screw connection, application 250/400V with PE, 20A, for cable diameters 6-10mm, coding color black, color of housing black
96.042.5053.1	Device connector RST20I4S S1 M01V SW	RST20i5/4 device connector M25, 4 pole, male, screw connection, application 250/400V with PE, 20A, coding color black
96.042.6153.1	Device connector RST20I4S S1 M03V SW	RST20i5/4 device connector M16, 4 pole, male, screw connection, modular, application 250/400V with PE, 20A, coding color black, color of housing black
96.042.6053.1	Device connector RST20I4S S1 M00V SW	RST20i5/4 device connector M20, 4 pole, male, screw connection, modular, application 250/400V with PE, 20A, coding color black, color of housing black
96.044.6053.1	Device connector RST20I4S S1 M90V SW	RST20i5/4 device connector (90° angled) M20, 4 pole, male, screw connection, modular, application 250/400V with PE, 20A, coding color black, color of housing black
96.044.6253.1	Device connector RST20I4S S1 M91V SW	RST20i5/4 device connector (90° angled) M25, 4 pole, male, screw connection, modular, application 250/400V with PE, 20A, coding color black, color of housing black
96.046.6153.1	Device connector RST20I4S S1 M13V SW	RST20i5/4 device connector (7° angled) M16, 4 pole, male, screw connection, modular, application 250/400V with PE, 20A, coding color black, color of housing black
99.911.0000.7	Distributor RST20I4B 3P1 F G SW	RST20i5/4 multi-distribution unit, 3 pole, application 250V/400V, 20A; 1 input and 3 outputs, mounting option, coding color black, color of housing black

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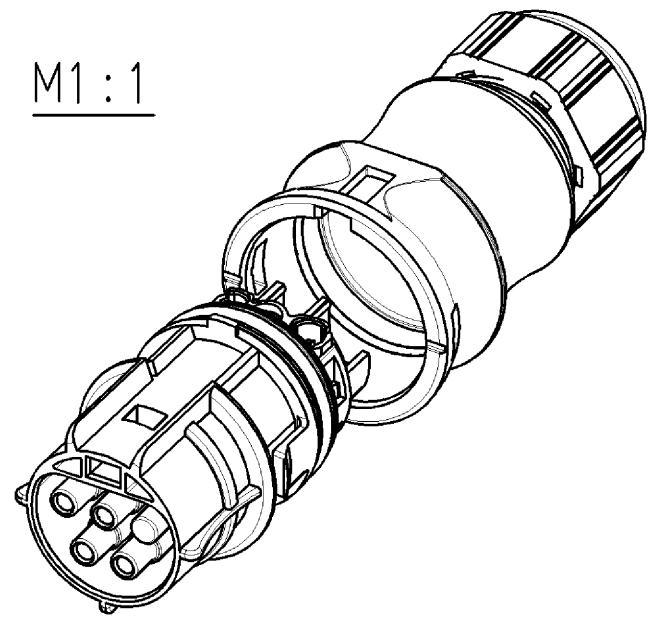With /E marked dimensions are only valid for internal use

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

A-A

1,8
5
6,2
12,4
6,2
6,2
Ø34,6

wrench size 27mm
SW27

ca. 82
21

for cable diameter 6-10mm
für Kabeldurchm. 6-10mm

A ← → A

M1:1

Ⓐ

Teile-Nr./ part-nr.	Farbe:/ color:	Type
96.041.4053.1	schwarz, ähnl. RAL 9005/ black, similar to RAL 9005	RST20I4S B1 ZR1 V SW
96.041.4053.0	lichtgrau, ähnl. RAL 7035/ lightgrey, similar to RAL 7035	RST20I4S B1 ZR1 V GL

Tolerierung nach DIN 7167/Tolerance system acc. to DIN 7167.
(This DIN-standard describes the envelope principle. According to the envelope principle the deviations of form and parallelism are limited by the size tolerances).

nein/no ☒ Stoffverbots- und Deklarationsliste nach UU-TQM-05/03 ist einzuhalten.
Conformity with Wieland document UU-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: 1 von 1
Sheet: 1 of 1

Werkstoff/Material

2005 Tag/Date Name
gezeichnet drawn 29.08. Kneitz
geprüft checked - -
Normgepr. Stand. check - -

T

Zeichnung Nr./Drawing No.
96.041.4053.0 01K

Index
a

Maßstab/Scale
1:1

Maße in mm/Dimensions are in mm

Vol. mm³ Ofl./Surf. mm² Ersatz für/Replacement for: -

Type   Benennung/Title

a 07.12.2005/
Index Datum / Blatt Date / Sheet
Änderung/Revision

wieland
Elektrische Verbindungen

siehe Tabelle

BUCHSENTEIL_MIT_ZUGENTLASTUNG
female connector with cord grip
Schraubanschluß ohne Drahtschutz/ screw-connection without wire protection
Standardkodierung 0/standard-keying 0 (250V/400V/20A)