

Data sheet

Commercial Art.No.: 96.031.1053.1

Device connector RST20i3F B2 M01 SW

RST20i3 device connector M25, 3 pole, female, spring clamp connection, application 250V with PE, 20A, coding color black



Commercial Art.No.	96.031.1053.1
EAN	4015573743717
Order Unit	1

Certificates / Approvals



Technical data

General

Rated current	20 A
Rated voltage	250 V
Pollution degree	3
Rated impulse voltage	4 kV
Lockable	self-locking (unlocking by tool)
Color of coding/ contact carrier	black
Marking of poles	L, N, PE

Connection Data

Connection cross section solid mm ² max.	2.5 mm ²
Connection cross section solid mm ² min.	0.5 mm ²
Connection cross section solid AWG min.	20 AWG
Connection cross section solid AWG max.	14 AWG
Connection cross section fine stranded mm ² max.	1.5 mm ²
Connection cross section fine stranded mm ² min.	0.5 mm ²
Terminations per pole	2
Wire strip length	14.5 mm
Connection cross section stranded AWG min.	20 AWG
Connection cross section stranded AWG max.	16 AWG

Model

Model	female
Connection type	spring clamp connection

Connecting thread metric	M25
Angle of plug	straight
Degree of protection (IP)	IP66/68 (3m;2h) /IP69
Thickness of housings (electrical device) 2	0.5 mm
Thickness of housings (electrical device)	8 mm

Material

Housing material	Polyamide
halogen free	yes
Contact material	CuZn
Fire load	0.137 kWh
Insulation components continuous temperature	100 °C
Surface finish	Silver-plated

Dimensions

Length	46.6 mm
Width	35 mm
Height	35 mm

Classification

ECLASS 11	
ECLASS 8.1	27440602
ETIM 7.0	EC002566
ETIM 6.0	EC002566
ETIM 5.0	EC002566
ETIM 4.0	EC002566

Note

Note	Fine stranded and stranded conductors require cable end sleeve; Positioning realised with flattened thread
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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:
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	ferrules DIN 46228-E1-12	RST end sleeve, for spring clamp contact, with insulating sleeve, for cross section 1.0 mm²/AWG17
06.600.3727.0	ferrules DIN 46228-E0,75-12	RST end sleeve, for spring clamp contact, with insulating sleeve, for cross section 0.75-1.0 mm²/AWG17

06.600.3827.0	ferrules DIN 46228-E0,5-10	RST end sleeve, for spring clamp contact, with insulating sleeve, for cross section 0.5 mm ² /AWG20
06.600.3927.0	ferrules DIN 46228-E1,5-12	RST end sleeve, for spring clamp contact, with insulating sleeve, for cross section 1.5 mm ² /AWG16
99.414.6205.2	Cover for female connector SW	RST20i3/2 cover piece, for covering unused female connectors, with fastening belt, color schwarz
Z5.564.4553.1	Cover for female connector SW	RST20i3/2 cover piece, for covering unused female connectors, color black
05.566.5253.1	Spacer ring RST	RST20/25 distance ring, for device connectors to ensure unlocking with screwdriver, color black

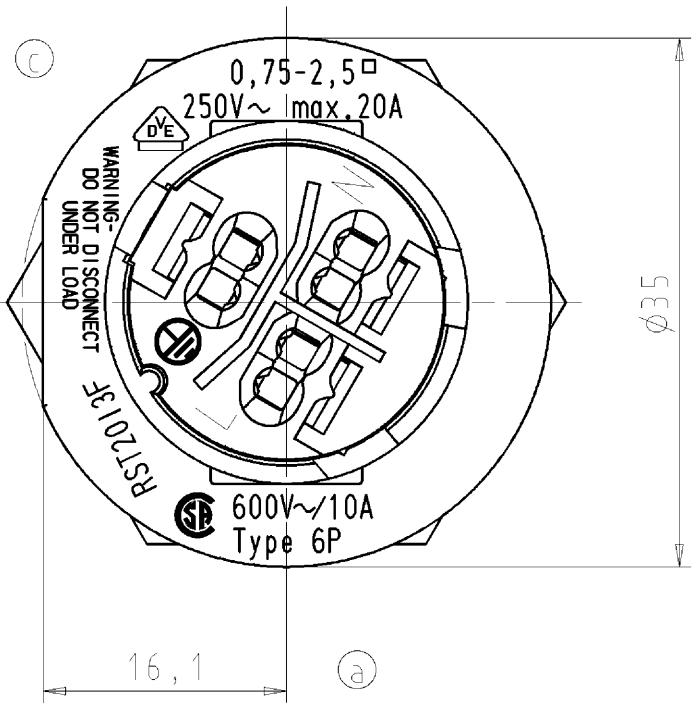
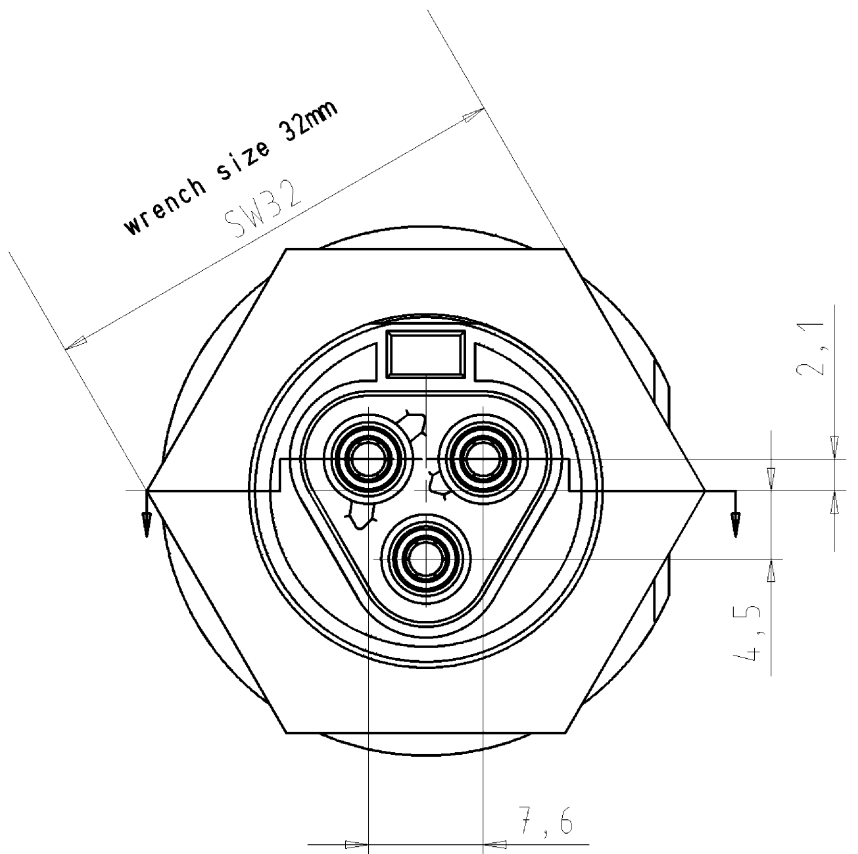
Fits with

Commercial Art.No.:	Article-type description:	Description:
96.032.0053.1	Connector RST20i3F S2 ZR1 V SW	RST20i3 connector, 3 pole, male, spring clamp connection, application 250V with PE, 20A, for cable diameters 6-10mm, coding color black, color of housing black
96.032.0153.1	Connector RST20i3F S2 ZR2 V SW	RST20i3 connector, 3 pole, male, spring clamp connection, application 250V with PE, 20A, for cable diameters 10-14mm, coding color black, color of housing black
96.034.0053.1	Connector RST20i3F S2 YR1 V SW	RST20i3 connector (90° angled), 3 pole, male, spring clamp connection, application 250V with PE, 20A, for cable diameters 6-10mm, coding color black, color of housing black
96.034.0153.1	Connector RST20i3F S1 YR2 V SW	RST20i3 connector (90° angled), 3 pole, male, spring clamp connection, application 250V with PE, 20A, for cable diameters 10-14mm, coding color black, color of housing black
96.032.0253.1	Connector RST20i3F S2 ZRX V SW	RST20i3 splitter connector, 3 pole, male, spring clamp connection, application 250V with PE, 20A, for cable diameters 6-10mm, coding color black, color of housing black
99.400.9999.7	mounting frame RST20/25	RST20/25 mounting frame for system socket, suitable for 2/3/4 or 5 pole M25 device connector
99.404.9999.7	surface mount socket RST20/25	RST20/25 surface mount socket

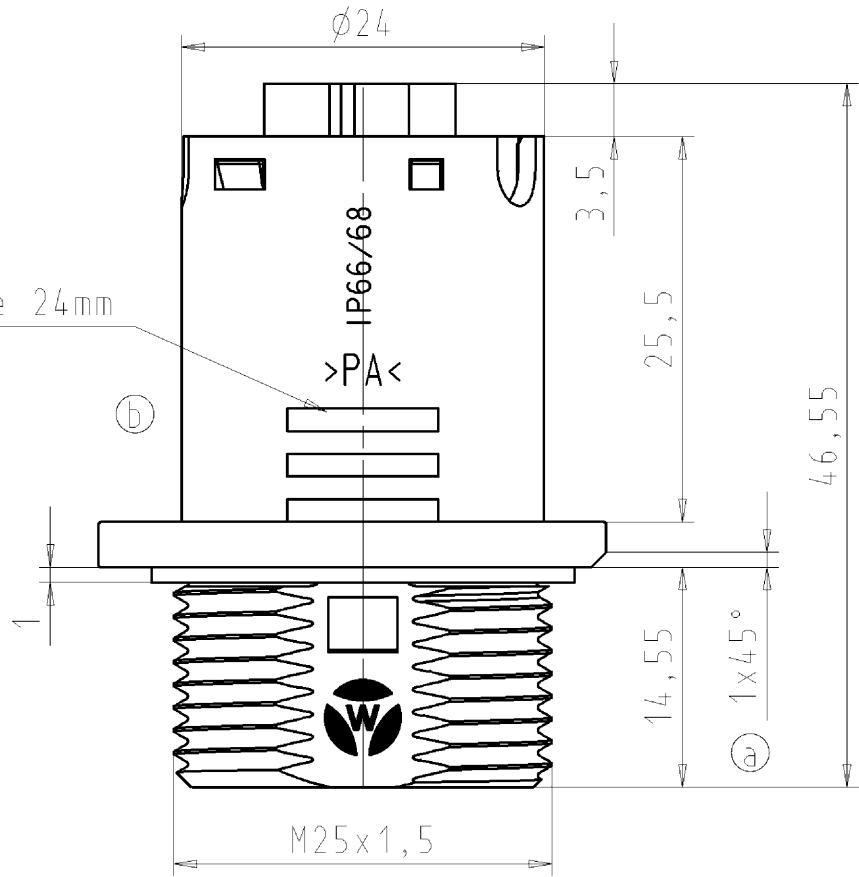
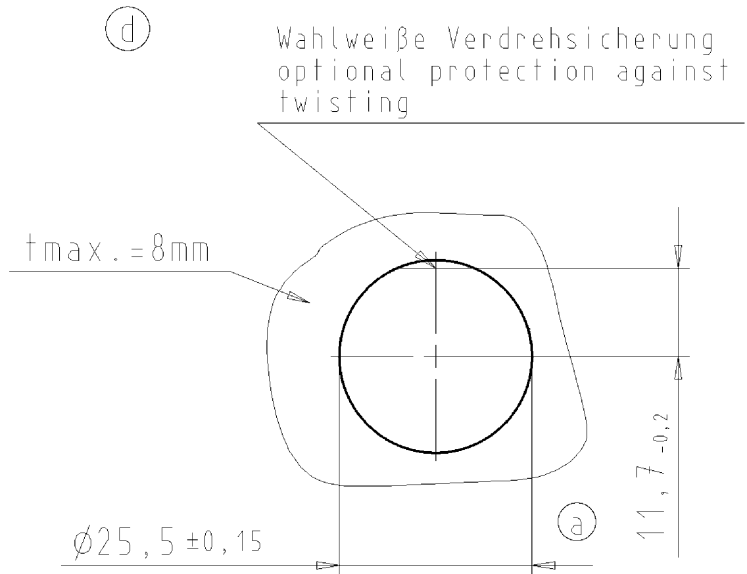
These dimensions will be especially checked at delivery
Only inspection dimensions
With /E marked dimensions are only valid for internal use

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

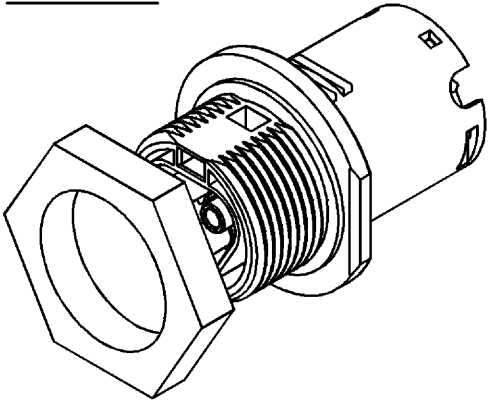
wrench size 24mm
SW24



housing coutout
Gehäuseausschnitt



M 1:1



Verpackungseinheit: je 100 Stk.
packaging unit: per 100

Teile-Nr./ part-nr.	Farbe:/ color:	Einz.-Tl.-Nr.: *)/ single-part-nr.:*)
96.031.1053.1	schwarz, ähnl. RAL 9005/ black, similar to RAL 9005	1
96.031.1053.0	lichtgrau, ähnl. RAL 7035/ lightgrey, similar to RAL 7035	0

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).

Freitoleranz nach 16901 Toleranzgruppe 130
General tolerance

ja/yes ☒ Stoffverbots- und Deklarationsliste nach UU-TOM-05/03 ist einzuhalten.
Conformity with Wieland document UU-TOM-05/03 (list of prohibited /
dearable hazardous substances) to be declared!

1. Verwendung: -
First Use:

Blatt: 1 von 1
Sheet: of

Zeichnung Nr./Drawing No.
96.031.1053.0 01K d

Index

Maße in mm/Dimensions are in mm

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

2003
gezeichnet
drawn
geprüft
checked
Normgepr.
Stand. check

Tag/Date
21.10.

Name
Kneitz

Maßstab/Scale
2:1

Vol. mm³ Ofl./Surf. mm²

Ersatz für/Replacement for: -

Wieland
Elektrische
Verbindungen

Type

Benennung/Title
BUCHSENTEIL
female connector
RST2013 B2 M01V