product data sheet

item no. 96.024.0053.1

connector RST20I2F S23YR1 V SW

RST20i2 Connector, angled 90°, number of poles 2, male, 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.	96.024.0053.1
EAN	4049644007606
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	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
marking of poles	L, N
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.	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	male

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

dimensions

length	70.5 mm
width	34.6 mm
height	62.3 mm

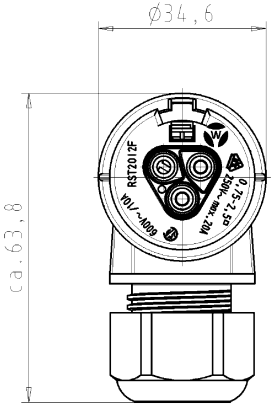
accessories

item no.	type	description
05.564.4453.1	cover for male connector SW	RST20i3/2 cover piece, for covering unused male connectors, color black
99.416.6205.2	cover for male connector SW	RST20i3/2 cover piece, for covering unused male connectors, with fastening belt, 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

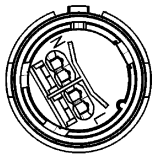
assembly

item no.	type	description
96.020.0153.1	distributor RST20I2V 3P1 F V SW	RST20i2 Distributor, parallel connection, with fastening option, number of poles 2, rated voltage 250 V, rated current 10 A, number of inputs 1, number of outputs 3, color of coding/ contact carrier black
96.021.0053.1	connector RST20I2F B23ZR1 SW	RST20i2 Connector, straight, number of poles 2, 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

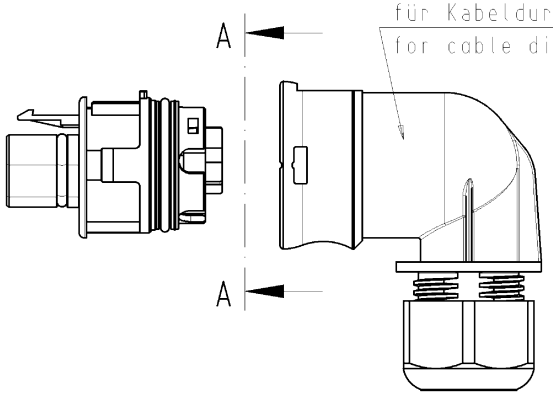
technical drawing



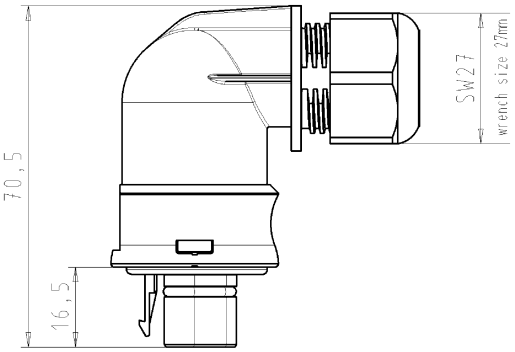
A-A

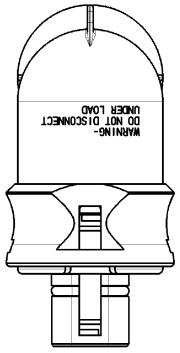


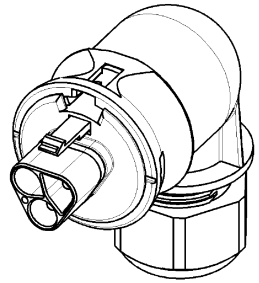
Auslieferungszustand
delivery status



Verpackungseinheit: je 100 Stück
packaging unit: per 100







Teile-Nr./ part-nr.	Farbe:/ color:	Type
96.024.0053.1	schwarz, ähnl. RAL 9005/ black, similar to RAL 9005	RST20i2F S23YR1 V SW
96.024.0053.0	lichtgrau, ähnl. RAL 7035/ lightgrey, similar to RAL 7035	RST20i2F S23YR1 V GL

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 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: 1 von 1 / Sheet: 1 of 1

Werkstoff/Material

Maßstab/Scale 1:1

Vol. mm³ Oft./Surf. mm²

2011 Tag/Date Name

gezeichnet / drawn 01.03. Hollet

geprüft / checked - -

Normgepr. / Stand. check - -

Zeichnung Nr./Drawing No. T 96.024.0053.0 01K Index

Maße in mm/Dimensions are in mm

Ersatz für/Replacement for: -

Index Datum / Blatt / Date / Sheet

Änderung/Revision

wieland
Elektrische Verbindungen

Type

Benennung/Title
STECKERTEIL_MIT_ZUGENTLASTUNG_
male connector with cord grip 90°
Federkraftanschluss/spring-clamp connection

OU-PEM-08/91

9602405300 1K_2 CADW2028 holet 2011-03-02 08:45:43 1.000

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

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