Data sheet

Commercial Art.No.: 96.031.6053.1

Device connector RST20I3S B1 M00 SW

RST20i3 device connector M20, 3 pole, female, screw connection, modular, application 250V with PE, 20A, coding color black, color of housing black

Commercial Art.No.	96.031.6053.1
EAN	4015573793200
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
Color of separate adapter (if present)	black

Connection Data

Connection cross section solid mm² max.	6 mm²
Connection cross section solid mm² min.	0.75 mm²
Connection cross section solid AWG min.	16 AWG
Connection cross section solid AWG max.	10 AWG
Connection cross section fine stranded mm² max.	6 mm²
Connection cross section fine stranded mm² min.	0.75 mm²
Terminations per pole	1
Wire strip length	8 mm
Connection cross section stranded AWG min.	16 AWG
Connection cross section stranded AWG max.	10 AWG

Model

Model	female
Connection type	screw connection
Connecting thread metric	M20

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	0.211 kWh
Insulation components continous temperature	100 °C
Surface finish	Silver-plated

Dimensions

Length	68.2 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	RST® terminals with screw clamping allow the connection of conductors without special preparation (without ferrules) according to EN 60999-1.; Positioning realised with flattened thread

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:
99.414.6205.2	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

Fits with

Commercial Art.No.:	Article-type description:	Description:

96.032.4053.1	Connector RST20I3S S1 ZR1 V SW	RST20i3 connector, 3 pole, male, screw connection, application 250V with PE, 20A, for cable diameters 6-10mm, coding color black, color of housing black
96.032.4153.1	Connector RST20I3S S1 ZR2 V SW	RST20i3 connector, 3 pole, male, screw connection, application 250V with PE, 20A, for cable diameters 10-14mm, coding color black, color of housing black
96.032.4553.1	Connector RST20I3S S1 ZR3 V SW	RST20i3 connector, 3 pole, male, screw connection, application 250V with PE, 20A, for cable diameters 14-18mm, coding color black, color of housing black
96.034.4053.1	Connector RST20I3S S1 YR1 V SW	RST20i3 connector (90° angled), 3 pole, male, screw connection, application 250V with PE, 20A, for cable diameters 6-10mm, coding color black, color of housing black
96.034.4153.1	Connector RST20I3S S1 YR2 V SW	RST20i3 connector (90° angled), 3 pole, male, screw connection, application 250V with PE, 20A, for cable diameters 10-14mm, coding color black, color of housing black
96.032.4253.1	Connector RST20I3S S1 ZRX V SW	RST20i3 splitter connector, 3 pole, male, screw connection, application 250V with PE, 20A, for cable diameters 6-10mm, coding color black, color of housing black
96.032.4353.1	Connector RST20I3S S1 ZRY V SW	RST20i3 splitter connector, 3 pole, male, screw connection, application 250V with PE, 20A, for cable diameters 10-14mm, coding color black, color of housing black
96.032.4453.1	Connector RST20I3S S1 ZRW V SW	RST20i3 connector, 3 pole, male, screw connection, application 250V with PE, 20A, for illumination cable, coding color black, color of housing black
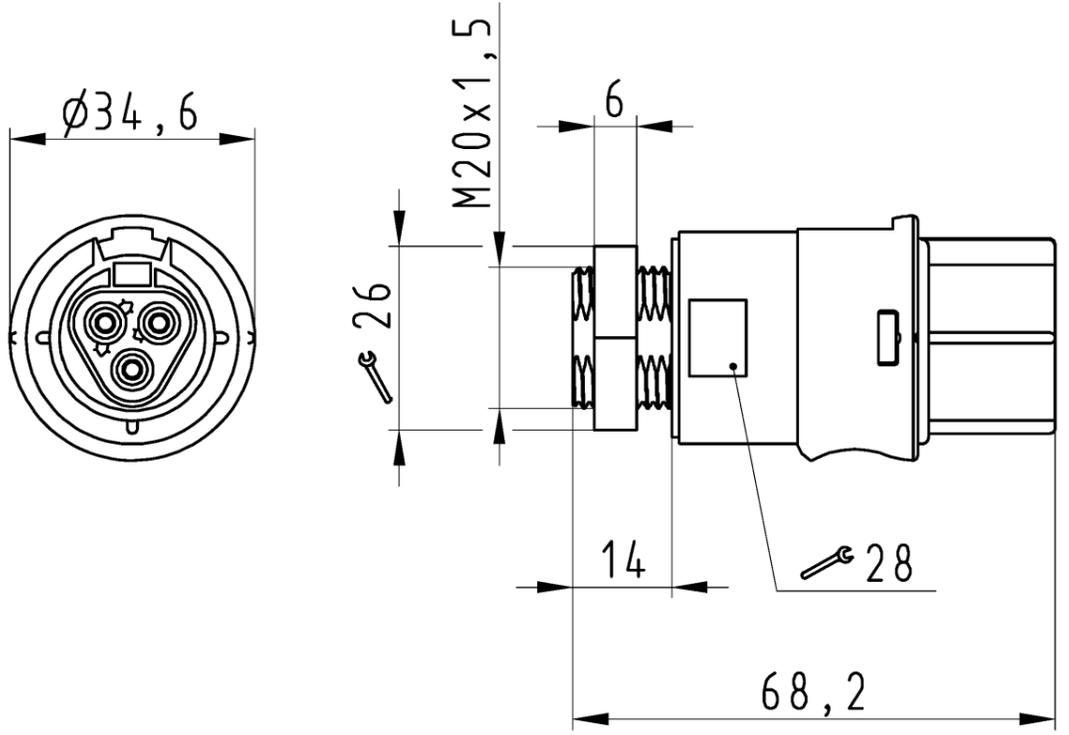
Auslieferungszustand

delivery status

Ø34,6

M20x1,5

6

26

14

�À 28

68,2
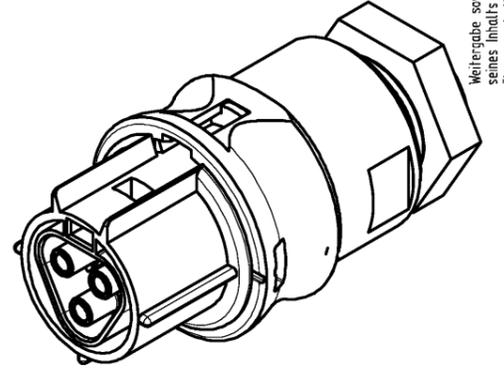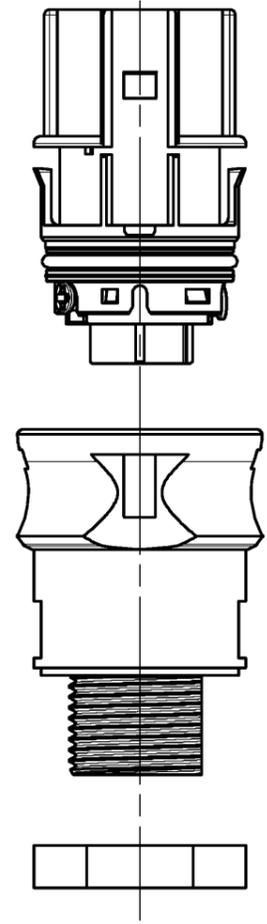
Verpackungseinheit: je 100 Stück
packaging unit: per 100

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

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

96.031.6053.1	RST20I3S B1 M00 SW	schwarz /black
96.031.6053.0	RST20I3S B1 M00 GL	lichtgrau /light grey
Bestellnummer /Order number	Typ /Type	Farbe /color

Weitere Daten siehe KATALOG oder eKatalog.
Additional data see CATALOG or eCatalog.

www.wieland-electric.com
eshop.wieland-electric.com

Tolerierung Size ISO 14405Ⓔ/Tolerance system Size ISO 14405Ⓔ.
(This ISO-standard describes 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 WN 5020.010 ist einzuhalten. Conformity with Wieland document WN 5020.010 e (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: of

Oeffnungsmassbild siehe 96.031.2053.1 14K
opening dimension see 96.031.2053.1 14K

Werkstoff/Material

		2015 Tag/Date	Name
gezeichnet drawn		15.07.	Nagengast F.
geprüft checked		-	-
Normgepr. Stand. check		-	-

Maßstab/Scale 1:1

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

T

Zeichnung Nr./Drawing No.
96.031.6053.0 13K

Index

Maße in mm/Dimensions are in mm

Type   Benennung/Title

BUCHSENTEIL
female connector

wieland
www.wieland-electric.com

Änderung/Revision