

Data sheet

Commercial Art.No.: 96.032.0051.4

Connector RST20i3F S2 ZR1SVL BR0

RST20i3 connector, 3 pole, male, spring clamp connection, application ~50V/-120V with PE, 20A, for cable diameters 6-10mm, coding color signal brown, color of housing black



Commercial Art.No.	96.032.0051.4
EAN	4015573955806
Order Unit	1

Certificates / Approvals



Technical data

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.	10 mm
Cable diameter min.	6 mm
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
Connection cross section stranded mm ² min.	0.75 mm ²
Connection cross section stranded mm ² max.	1.5 mm ²
Connection cross section stranded AWG min.	20 AWG
Connection cross section stranded AWG max.	16 AWG
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
Remark to type of connection	Fine stranded and stranded conductors require cable end sleeve

Material

Housing material	Polyamide
halogen free	yes
Contact material	CuZn
Fire load	0.269 kWh
Insulation components continuous temperature	100 °C
Surface finish	Silver-plated

Dimensions

Length	79.1 mm
Width	34.6 mm
Height	34.6 mm

Note

Note	Fine stranded and stranded conductors require cable end sleeve
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Classification

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

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

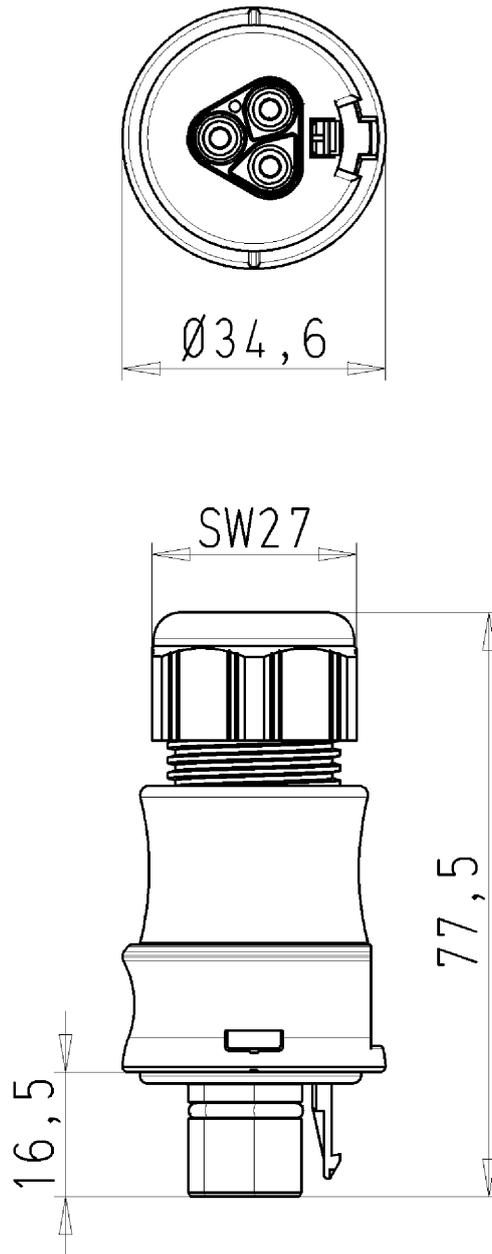
Accessories

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 mm ²	Crimping tool for ferrules, wire strip length: 7-28 mm, nominal cross section: 0,08-10 mm ² , 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 mm ² /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 mm ² /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
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

Fits with

Commercial Art.No.:	Article-type description:	Description:
96.030.0151.4	Distributor RST20i3V 3P1 F V L BR0	RST20i3 distribution block, 3 pole, application ~50V/-120V with PE, 20A, 1 input and 3 outputs, with fastening option, coding color signal brown, color of housing signal brown
96.031.0051.4	Connector RST20i3F B2 ZR1S L BR0	RST20i3 connector, 3 pole, female, spring clamp connection, application ~50V/-120V with PE, 20A, for cable diameters 6-10mm, coding color signal brown, color of housing black
96.031.1051.4	Device connector RST20i3F B2 M01 L BR0	RST20i3 device connector M25, 3 pole, female, spring clamp connection, application ~50V/-120V with PE, 20A, coding color signal brown
96.031.2151.4	Device connector RST20i3F B2 M03 L BR0	RST20i3 device connector M16, 3 pole, female, spring clamp connection, modular, application ~50V/-120V with PE, 20A, coding color signal brown, color of housing black
96.031.2051.4	Device connector RST20i3F B2 M00 L BR0	RST20i3 device connector M20, 3 pole, female, spring clamp connection, modular, application ~50V/-120V with PE, 20A, coding color signal brown, color of housing black
96.033.2051.4	Device connector RST20i3F B2 M90 L BR0	RST20i3 device connector (90° angled) M20, 3 pole, female, spring clamp connection, modular, application ~50V/-120V with PE, 20A, coding color signal brown, color of housing black
96.033.0051.4	Connector RST20i3F B2 YR1S L BR01	RST20i3 connector (90° angled), 3 pole, female, spring clamp connection, application ~50V/-120V with PE, 20A, for cable diameters 6-10mm, coding color signal brown, color of housing black



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