

## Data sheet

Commercial Art.No.: 97.051.4253.1

Connector RST50I5S B1 ZR7 S SW

RST50i5 connector, 5 pole, female, screw connection, application 250/400V with PE, 50A, for cable diameters 20-32mm, coding color black, color of housing black



Commercial Art.No.	97.051.4253.1
EAN	4049088080005
Order Unit	1

Certificates / Approvals



## Technical data

### General

Rated current	50 A
Rated voltage	250 V / 400 V
Rated impulse voltage	4 kV
strain relief	yes
Pollution degree	3
Lockable	yes
Color of coding/ contact carrier	black
Marking of poles	1, 2, 3, N, PE
Color of housing inclusive strain relief	black

### Connection Data

Cable diameter max.	32 mm
Cable diameter min.	20 mm
Connection cross section solid mm <sup>2</sup> max.	6 mm <sup>2</sup>
Connection cross section solid mm <sup>2</sup> min.	4 mm <sup>2</sup>
Connection cross section solid AWG min.	6 AWG
Connection cross section fine stranded mm <sup>2</sup> max.	16 mm <sup>2</sup>
Connection cross section fine stranded mm <sup>2</sup> min.	4 mm <sup>2</sup>
Connection cross section fine stranded AWG min.	16 AWG
Terminations per pole	1
Connection cross section stranded mm <sup>2</sup> min.	4 mm <sup>2</sup>
Connection cross section stranded mm <sup>2</sup> max.	6 mm <sup>2</sup>
sheath strip length	80 mm
Wire strip length	10 mm

### Model

Model	female
Connection type	screw connection
Degree of protection (IP)	IP66/67/69

#### Material

Housing material	Polyamide
halogen free	yes
Contact material	CuZn
Fire load	0.409 kWh
Insulation components continuous temperature	80 °C
Surface finish	Silver-plated

#### Dimensions

Length	145 mm
Width	65 mm
Height	65 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

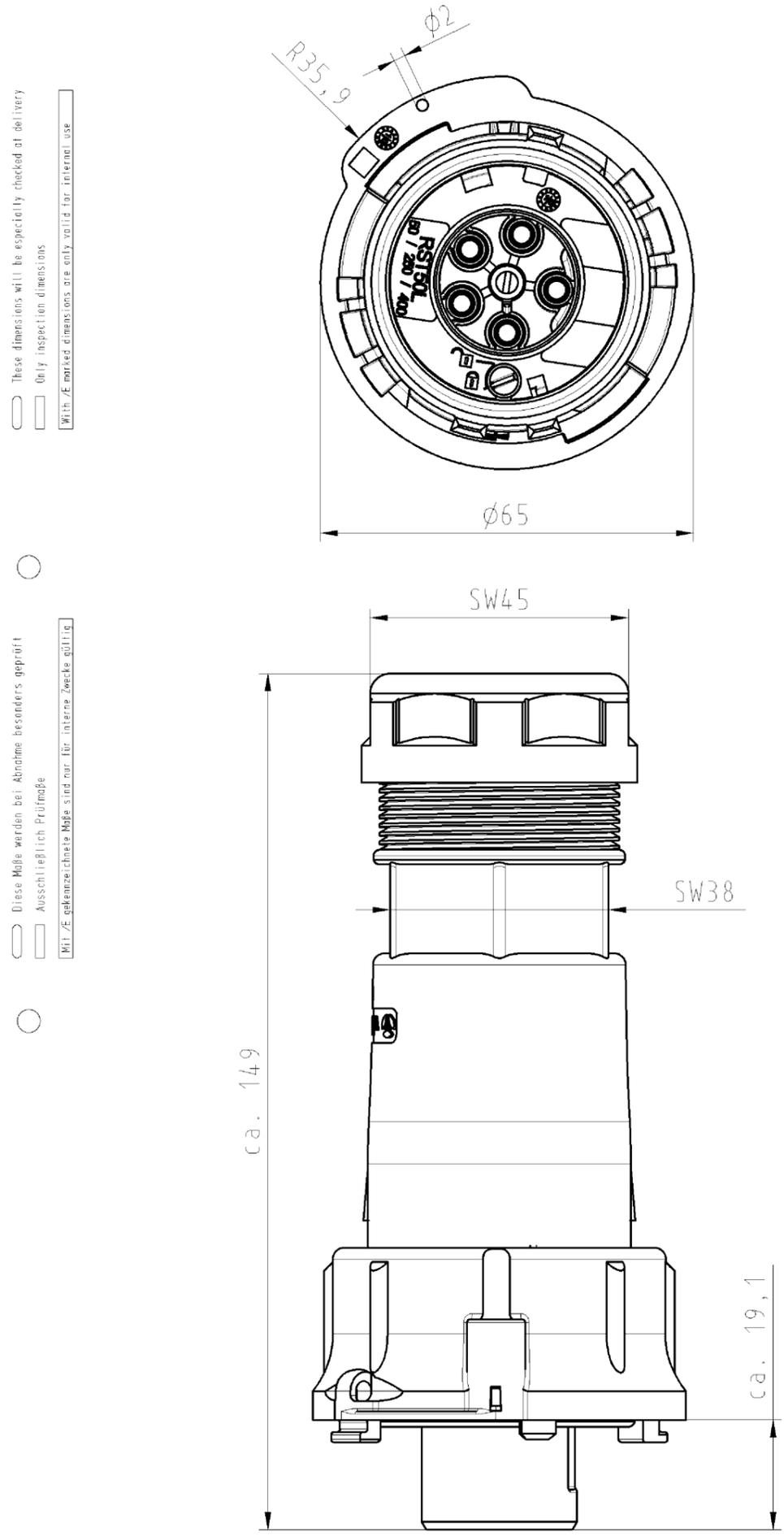
Note	fine-stranded and stranded wires have to be used without ferrules
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#### Product compliance

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

#### Fits with

Commercial Art.No.:	Article-type description:	Description:
97.052.5553.1	Device connector RST50I5S S1 ZM02V SW	RST50i5 device connector, 5 pole, male, screw connection, application 250V/400V, 50A, for opening diameter M32 or M40 with adaptor ring, with position fixation, coding color black
97.052.4253.1	Connector RST50I5S S1 ZR7 S SW	RST50i5 connector, 5 pole, male, screw connection, application 250/400V with PE, 50A, for cable diameters 20-32mm, coding color black, color of housing black

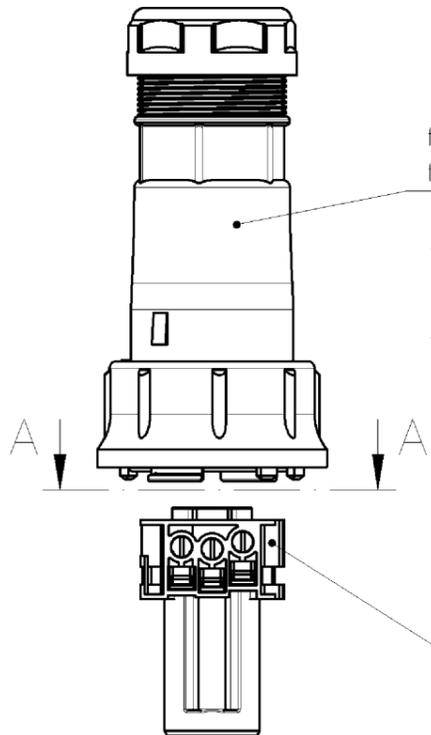


These dimensions will be especially checked at delivery  
 Only inspection dimensions  
 With /E marked dimensions are only valid for internal use

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

**Auslieferungszustand**  
**delivery status**

(1:2)



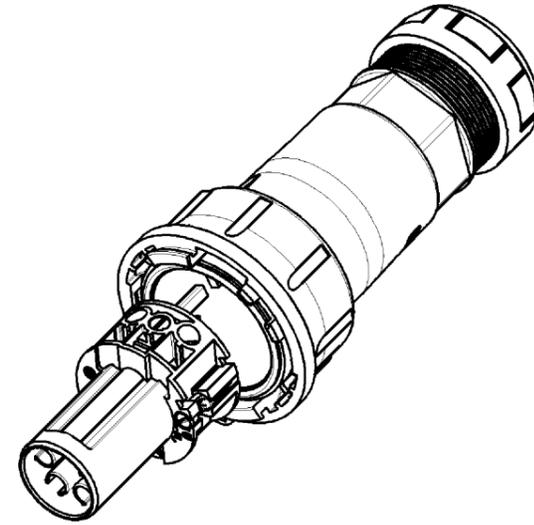
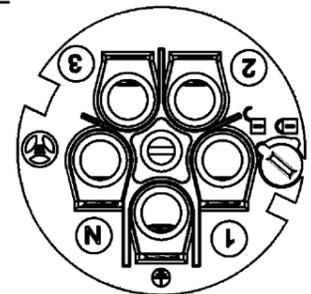
für Kabeldurchm. 20-32mm  
 for cable diameter 20-32mm

Farbe: schwarz,  
 ähnl. RAL9005  
 color: black,  
 similar to RAL9005

Farbe: schwarz,  
 ähnl. RAL9005  
 color: black,  
 similar to RAL9005

Verpackungseinheit: je 20 Stück  
 packaging unit: per 20

**A-A**



Anschlussart: Schraub  
 Anschlussquerschnitt: ein-/ mehrdrähtig: 4-6 mm<sup>2</sup> / feindrähtig: 4\*-16 mm<sup>2</sup>  
 connection type: screw  
 cross section: solid/ stranded: 4-6 mm<sup>2</sup> / flexible: 4\*-16 mm<sup>2</sup>

\* Leiter 4 mm<sup>2</sup> flexibel nur in Verbindung mit Aderendhülsen.  
 Conductor flexible 4 mm<sup>2</sup> only by using of end sleeves.

Type: RST50i5S B1 ZR7 S SW

50 A/250 V/400 V/4 kV/2 IP66/67

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).				ja/yes <input checked="" type="checkbox"/> 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: of 1	
/		Werkstoff/Material		2011 Tag/Date Name		Zeichnung Nr./Drawing No. Index	
/		Maßstab/Scale		gezeichnet drawn 27.04. Brotkorb		97.051.4253.1 01K	
/		1:1		geprüft checked - -		Maße in mm/Dimensions are in mm	
/		Vol. mm <sup>3</sup> Ofl./Surf. mm <sup>2</sup>		Ersatz für/Replacement for: -			
/		wieland		Type		Benennung/Titel	
/		Elektrische Verbindungen				ERSTANSCHLUSS_BU_KOMPLETT	
Index Datum / Blatt Date / Sheet		Änderung/Revision					

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