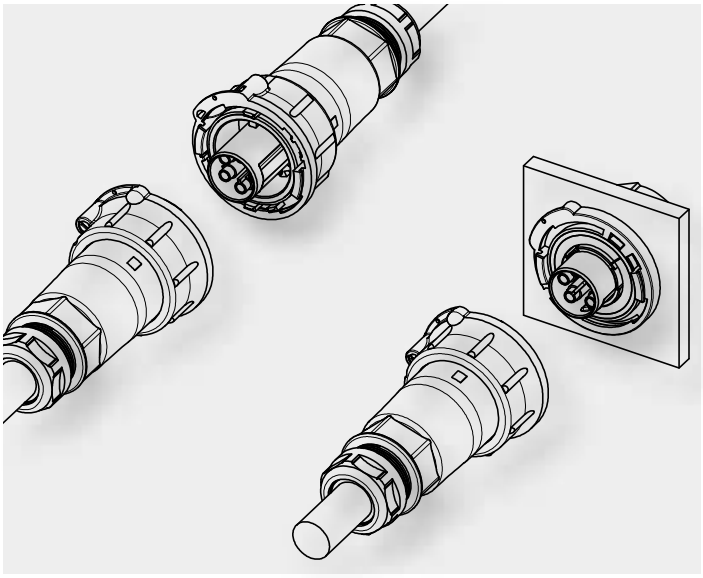
The new RST Power series up to 50 A

Application example



General

The new RST Power series is particularly designed for device engineering. With a current-carrying capability of 50 A combined with an extremely compact design, the connector fits almost everywhere.

The 4 pole connector is based on the 5 pole variation, with one pole left empty.

Coding

For daily updates visit the website at http://eshop.wieland-electric.com.
Assembly instructions and other technical information can be found in the Technical Data or in e-KAT.

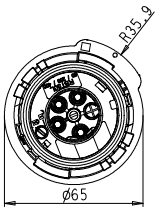
Application	Power max. 50 A
Mechanical coding for example	250/400 V 1, 2, 3, ⏚

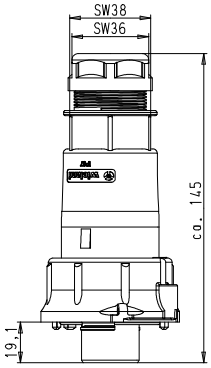
Name	Description	Connection style	Strain relief housing	Connection points per pole	black
Connectors	1 x wire entry	Screw Spring clamp	yes	1	✓
Device connectors	M32 connector, standard	Screw Spring clamp	yes	1	✓

Connector with strain relief

Female connector

Illustration
M32 cable gland

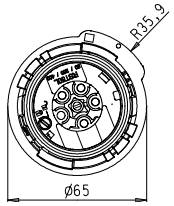


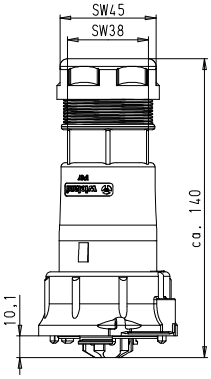


Application	Coding	Cable gland	Wire diameter	Color	Part No.	Part No.
					with screw connection	**with crimp connection**
					Wires mm²	Wires mm²
					solid / stranded: from 4.0 to 6.0*)	flexible wires: from 4.0 to 10.0
					flexible wires: from 4.0 to 16.0	Approvals: VDE
					Approvals: VDE	Pole markings: ⏚, 1, 2, 3
					Pole markings: ⏚, 1, 2, 3	Crimp contacts: order separately; see last page of section RST50i
Power max. 50 A		M32	15 – 25	black	97.041.4053.1	97.141.0053.1
		M40	20 – 32	black	97.041.4253.1	97.141.0253.1

Male connector

Illustration
M40 cable gland



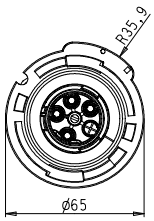


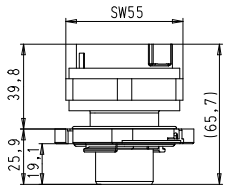
Application	Coding	Cable gland	Wire diameter	Color	Part No.	Part No.
					with screw connection	**with crimp connection**
					Wires mm²	Wires mm²
					solid / stranded: from 4.0 to 6.0*)	flexible wires: from 4.0 to 10.0
					flexible wires: from 4.0 to 16.0	Approvals: VDE
					Approvals: VDE	Pole markings: ⏚, 1, 2, 3
					Pole markings: ⏚, 1, 2, 3	Crimp contacts: order separately; see last page of section RST50i
Power max. 50 A		M32	15 – 25	black	97.042.4053.1	97.142.0053.1
		M40	20 – 32	black	97.042.4253.1	97.142.0253.1

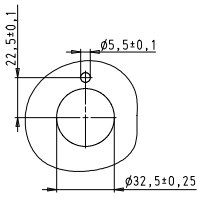
*) Solid and stranded wires > 6.0 mm² cannot be connected in the available space due to their rigidity.

M 32 device connector

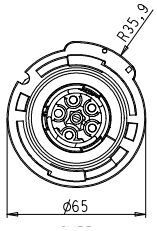
Female connector

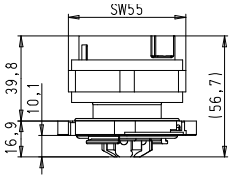


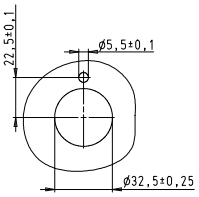


Application	Coding	Fixation with bolts	Color	Part No.	Part No.
Drilling template for device connectors fixed in position				**with screw connection**	**with crimp connection**
				Wires / mm²	Wires / mm²
				solid / stranded: from 4.0 to 16.0	flexible wires: from 4.0 to 10.0
				flexible wires: from 4.0 to 16.0	Approvals: VDE
				Approvals: VDE	Pole markings: ⏚, 1, 2, 3
				Pole markings: ⏚, 1, 2, 3	Crimp contacts: order separately; see last page of section RST50i
Power max. 50 A		fixed in position	black	97.041.5553.1	97.141.1553.1
		not fixed in position	black	97.041.5053.1	97.141.1053.1

Male connector



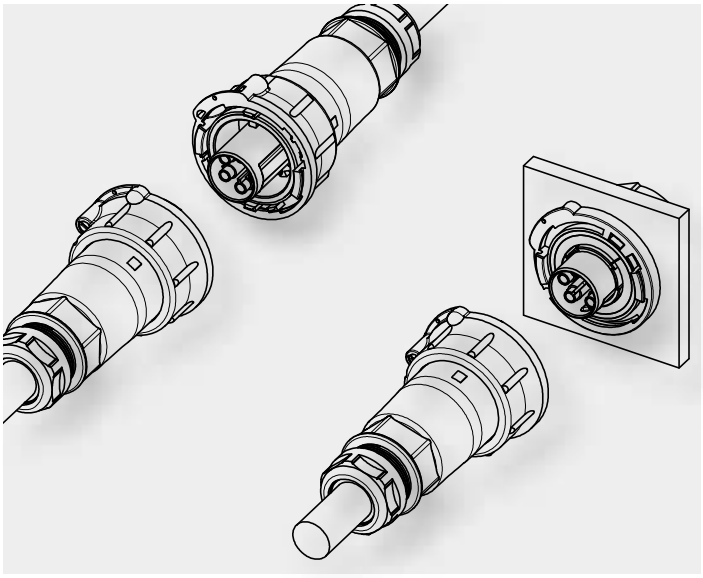


Application	Coding	Fixation with bolts	Color	Part No.	Part No.
Drilling template for device connectors fixed in position				**with screw connection**	**with crimp connection**
				Wires / mm²	Wires / mm²
				solid / stranded: from 4.0 to 16.0	flexible wires: from 4.0 to 10.0
				flexible wires: from 4.0 to 16.0	Approvals: VDE
				Approvals: VDE	Pole markings: ⏚, 1, 2, 3
				Pole markings: ⏚, 1, 2, 3	Crimp contacts: order separately; see last page of section RST50i
Power max. 50 A		fixed in position	black	97.042.5553.1	97.142.1553.1
		not fixed in position	black	97.042.5053.1	97.142.1053.1

RST 50i5

The new RST Power series up to 50 A

Application example



General

The new RST Power series is particulary designed for device engineering. With a current-carrying capability of 50 A combined with an extremely compact design, the connector fits almost everywhere.

Coding

For daily updates visit the website at http://eshop.wieland-electric.com.
Assembly instructions and other technical information can be found in the Technical Data or in e-KAT.

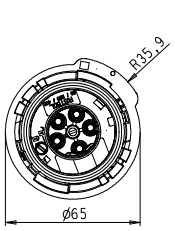
Application	Power max. 50 A
Mechanical coding for example	250/400 V 1, 2, 3, N, ⏚

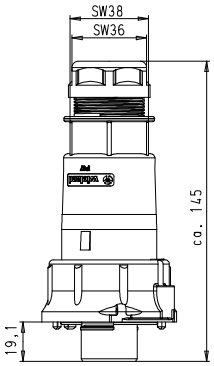
Name	Description	Connection style	Strain relief housing	Connection points per pole	black
Connectors	1 x wire entry	Screw Spring clamp	yes	1	✓
Device connectors	M32 connector, standard	Screw Spring clamp	yes	1	✓

Connector with strain relief

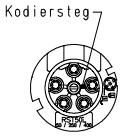
Female connector

Illustration
M32 cable gland



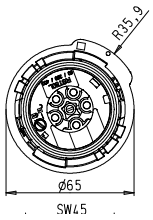


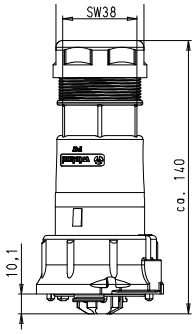
Application	Coding	Cable gland	Wire diameter	Color	Part No.	Part No.
					with screw connection	**with crimp connection**
					Wires: mm²	Wires: mm²
					solid / stranded: from 4.0 to 6.0*)	flexible wires: from 4.0 to 10.0
					flexible wires: from 4.0 to 16.0	Approvals: VDE
					Approvals: VDE	Pole markings: ⏚, 1, 2, 3, N
					Pole markings: ⏚, 1, 2, 3, N	Crimp contacts: order separately; see last page of section RST50i
Power max. 50		M32	15 – 25	black	97.051.4053.1	97.151.0053.1
		M40	20 – 32	black	97.051.4253.1	97.151.0253.1



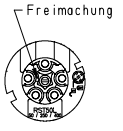
Male connector

Illustration
M40 cable gland





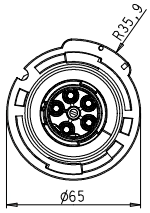
Application	Coding	Cable gland	Wire diameter	Color	Part No.	Part No.
					with screw connection	**with crimp connection**
					Wires: mm²	Wires: mm²
					solid / stranded: from 4.0 to 6.0*)	flexible wires: from 4.0 to 10.0
					flexible wires: from 4.0 to 16.0	Approvals: VDE
					Approvals: VDE	Pole markings: ⏚, 1, 2, 3, N
					Pole markings: ⏚, 1, 2, 3, N	Crimp contacts: order separately; see last page of section RST50i
Power max. 50		M32	15 – 25	black	97.052.4053.1	97.152.0053.1
		M40	20 – 32	black	97.052.4253.1	97.152.0253.1

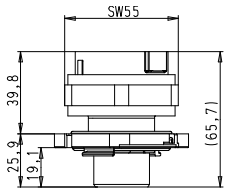


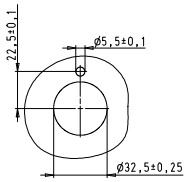
*) Solid and stranded wires > 6.0 mm² cannot be connected in the available space due to their rigidity.

M 32 device connector

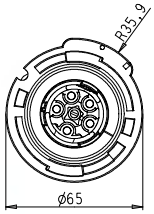
Female connector

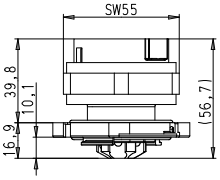


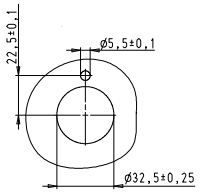


Application	Coding	Fixation with bolts	Color	Part No.		Part No.	
Drilling template for device connectors fixed in position				**with screw connection**		**with crimp connection**	
				Wires	mm^2	Wires	mm^2
				solid / stranded	from 4.0 to 16.0	flexible wires	from 4.0 to 10.0
				flexible wires	from 4.0 to 16.0	Approvals	VDE
				Approvals	VDE	Pole markings	⏚, 1, 2, 3, N
				Pole markings	⏚, 1, 2, 3, N	Crimp contacts	order separately; see last page of section RST50i
Power max. 50		fixed in position	black	97.051.5553.1		97.151.1553.1	
		not fixed in position	black	97.051.5053.1		97.151.1053.1	

Male connector



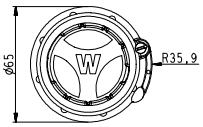


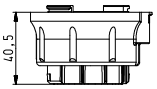
Application	Coding	Fixation with bolts	Color	Part No.		Part No.	
Drilling template for device connectors fixed in position				**with screw connection**		**with crimp connection**	
				Wires	mm^2	Wires	mm^2
				solid / stranded	from 4.0 to 16.0	flexible wires	from 4.0 to 10.0
				flexible wires	from 4.0 to 16.0	Approvals	VDE
				Approvals	VDE	Pole markings	⏚, 1, 2, 3, N
				Pole markings	⏚, 1, 2, 3, N	Crimp contacts	order separately; see last page of section RST50i
Power max. 50		fixed in position	black	97.052.5553.1		97.152.1553.1	
		not fixed in position	black	97.052.5053.1		97.152.1053.1	

Accessories

Cover

Name	Color	Part No.
Cover	black	Z5.567.5653.0





For safe covering of unused male or female components

Sample kit RST 50i5

Name	Color	Part No.
Sample kit RST50i5	black	99.628.0000.0

Complete kit including:
– Connectors
– Device connection
– Cover piece
– Knock-out (metal sheet)

Crimping tool
with system kit

Name	Color	Part No.
Crimping tool (supplied in case)		95.101.0800.0
Crimping die D		05.502.2300.0

Accessories

Crimp contacts
Female contacts

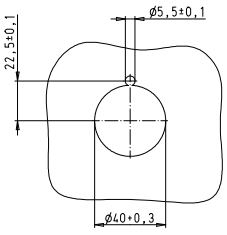
Name		ID (groove) mm²	Part No.
Crimp contact	unmarked	4.0	02.126.0621.8
Crimp contact	1	6.0	02.126.0721.8
Crimp contact	unmarked	10.0	02.126.0821.8

Crimp contacts
Male contacts

Name		ID (groove) mm²	Part No.
Crimp contact	unmarked	4.0	05.545.2821.8
Crimp contact	1	6.0	05.545.2921.8
Crimp contact	unmarked	10.0	05.545.3021.8

Adapter ring 40 mm

Name	Color	Part No.
Adapter ring	black	05.568.1853.0



For fixing the device connector inside
40 mm knock-outs