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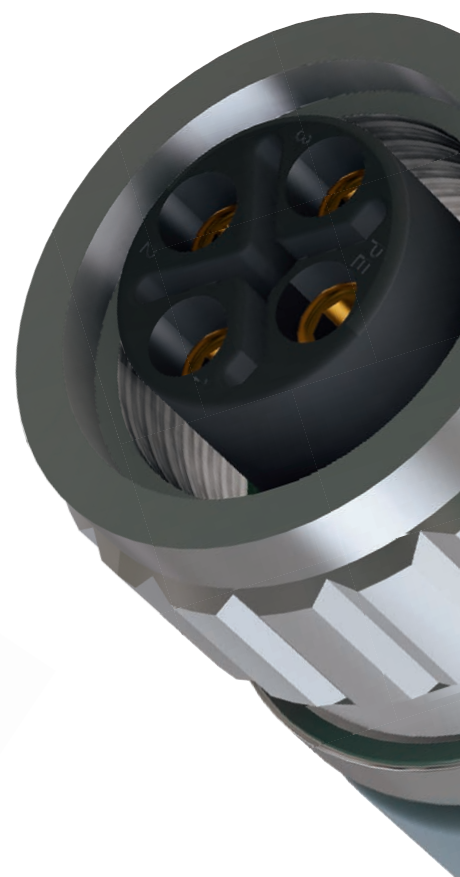
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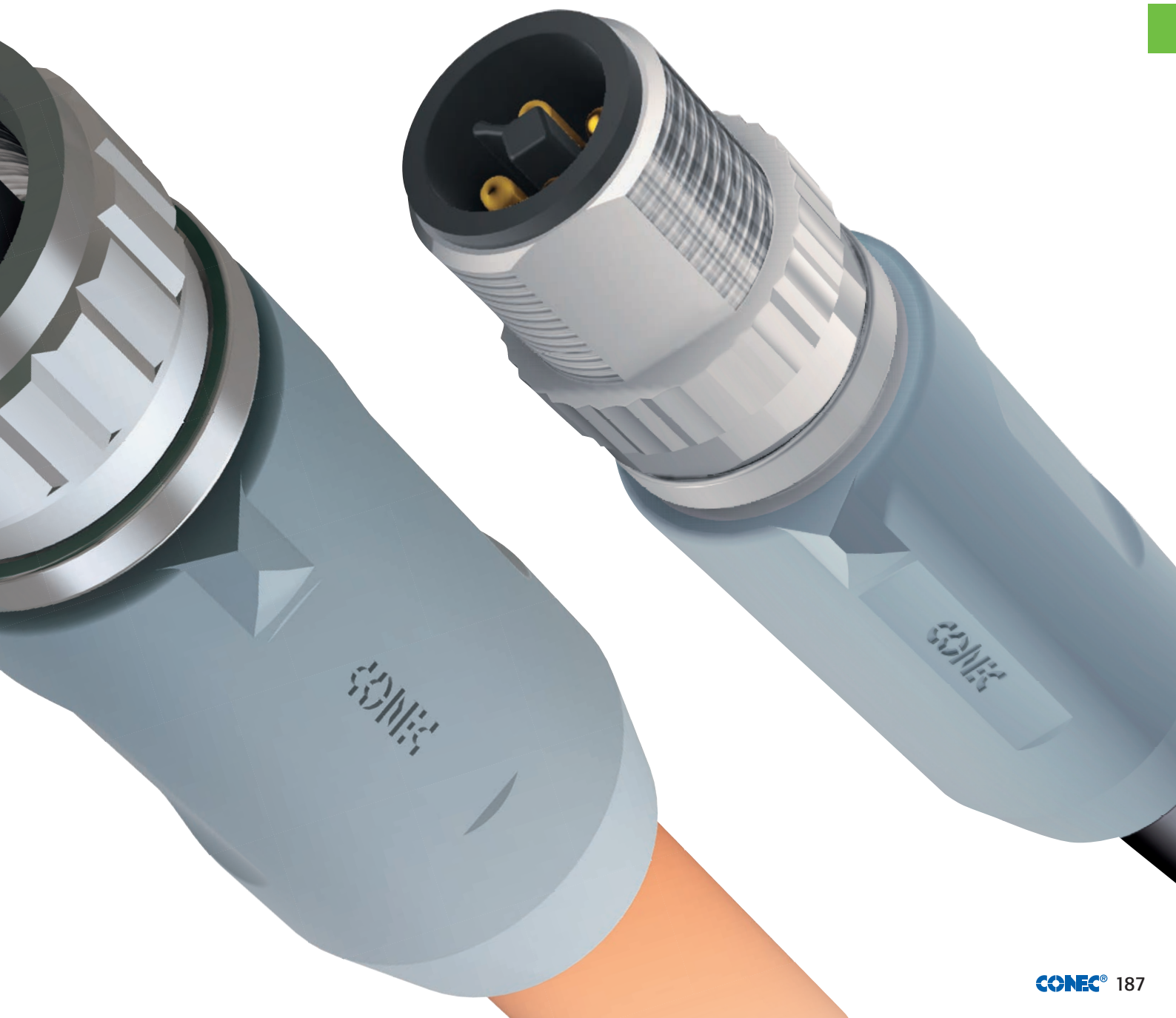
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Единый адрес: ccn@nt-rt.ru | <http://www.conec.nt-rt.ru>

SECTION 6

POWER CONNECTORS





SAL M12x1 POWER CONNECTORS OVERMOULDED

Nomenclature

S A L - 1 2 T - R K 4 - 3 / A 2

SAL
Sensor Actor Line

Installation size
12 = M12x1

Coding
SC = S-coding, shielded
T = T-coding

Design
R = Circular connector

Gender
K = Female connector
S = Male connector

Configuration
= Axial

Number of poles
3 = 3-pos.
4 = 4-pos.
2PE = 2-pos. + PE
3PE = 3-pos. + PE

Cable length
XX = Length [m]

Cable quality
A2 = PVC, black
K1 = TPU, black, highflexible, halogenfree, UL
GOA = PVC, shielded, orange, UL
GOB = TPU, shielded, orange, UL

SAL M12x1 POWER CONNECTORS OVERMOULDED

Product specification

Basic material	
Contact	CuZn
Contact plating	Nickel plated, gold plated
Contact carrier	PA6, UL94
Overmould	TPU, UL94, grey
Sealing	FPM
Coupling nut/-screw	GD-Zn, Ni
Shield sleeve	CuZn, Ni

Technical Data	Norm
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Information on the following pages are basing on below mentioned IEC-standards.

Rated voltage	IEC 61076-2-111
Current rating	IEC 61076-2-111
Insulation resistance	IEC 60512
Degree of pollution	IEC 60664-1
Degree of protection	IEC 60529
Mating cycles	IEC 60512-9A

Recommended torque: 0.6 Nm

Technical subject to change without notice.

SAL M12x1 POWER SOCKETS

Nomenclature

S A L - 1 2 T - F K 4 - 0,5

SAL
Sensor Actor Line

Installation size
12 = M12x1

Coding
SC = S-coding
T = T-coding

Design
F = Socket connector

Gender
K = Female connector
S = Male connector

Mounting
= Front panel mounting
H = Back panel mounting
VO = Square flange with sealing

Number of poles
3 = 3-pos.
4 = 4-pos.
2PE = 2-pos. + PE
3PE = 3-pos. + PE

Type of termination
XX = Wire length [m]

SAL M12x1 POWER SOCKETS

Product specification

Basic material	
Contact	CuZn
Contact plating	Nickel plated, gold plated
Contact carrier	PA6, UL94
Sealing	FPM
Socket housing	CuZn, Ni
Counter nut	CuZn, Ni
Sealing compound	Polyurethan-Harz, UL94

Technical Data	Norm
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Information on the following pages are basing on below mentioned IEC-standards.

Rated voltage	IEC 61076-2-111
Current rating	IEC 61076-2-111
Insulation resistance	IEC 60512
Degree of pollution	IEC 60664-1
Degree of protection	IEC 60529
Mating cycles	IEC 60512-9A

Recommended torque: 0.6 Nm

Technical subject to change without notice.

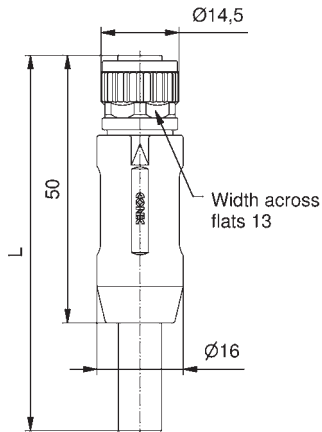
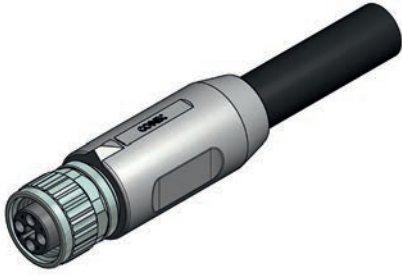
M12x1 POWER CONNECTORS OVERMOULDED T-coding

Female connector axial

PVC, black, LiYY

Contact assignment

Number of poles	Coding	Rated voltage [V]	Current rating [A]	Cable length = L [m]	Wire cross section [mm ²]	Description	Part No.
3	T	63	12	1,5	2	SAL-12T-RK3-2/A2	43-19044
					3	SAL-12T-RK3-3/A2	43-19045
					5	SAL-12T-RK3-5/A2	43-19046
					10	SAL-12T-RK3-10/A2	43-19047
4	T	63	12	1,5	2	SAL-12T-RK4-2/A2	43-17132
					3	SAL-12T-RK4-3/A2	43-17133
					5	SAL-12T-RK4-5/A2	43-17134
					10	SAL-12T-RK4-10/A2	43-17135

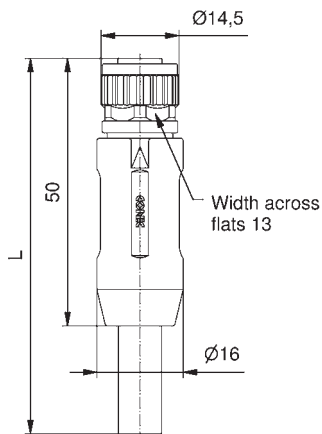


Pin 1 ■
Pin 3 ■
Pin 4 ■

Pin 1 ■
Pin 2 ■
Pin 3 ■
Pin 4 ■

TPU, black, Li9Y11Y

3	T	63	12	1,5	2	SAL-12T-RK3-2/K1	43-19083
					3	SAL-12T-RK3-3/K1	43-19084
					5	SAL-12T-RK3-5/K1	43-19085
					10	SAL-12T-RK3-10/K1	43-19086
4	T	63	12	1,5	2	SAL-12T-RK4-2/K1	43-17582
					3	SAL-12T-RK4-3/K1	43-17922
					5	SAL-12T-RK4-5/K1	43-17923
					10	SAL-12T-RK4-10/K1	43-17924



Pin 1 ■
Pin 3 ■
Pin 4 ■

Pin 1 ■
Pin 2 ■
Pin 3 ■
Pin 4 ■

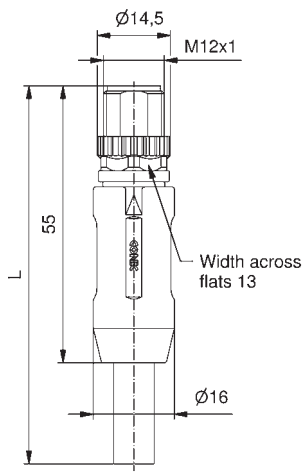
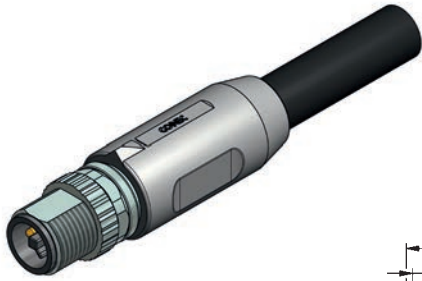
M12x1 POWER CONNECTORS OVERMOULDED T-coding

Male connector axial

PVC, black, LiYY

Contact assignment

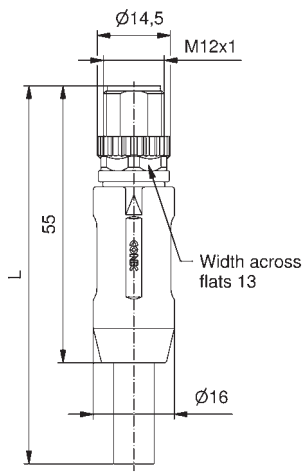
Number of poles	Coding	Rated voltage [V]	Current rating [A]	Cable length = L [m]	Wire cross section [mm ²]	Description	Part No.
3	T	63	12	1,5	2	SAL-12T-RS3-2/A2	43-19048
					3	SAL-12T-RS3-3/A2	43-19049
					5	SAL-12T-RS3-5/A2	43-19050
					10	SAL-12T-RS3-10/A2	43-19051
4	T	63	12	1,5	2	SAL-12T-RS4-2/A2	43-17140
					3	SAL-12T-RS4-3/A2	43-17141
					5	SAL-12T-RS4-5/A2	43-17142
					10	SAL-12T-RS4-10/A2	43-17143



- Pin 1 ■
- Pin 3 ■
- Pin 4 ■

- Pin 1 ■
- Pin 2 ■
- Pin 3 ■
- Pin 4 ■

TPU, black, Li9Y11Y



- Pin 1 ■
- Pin 3 ■
- Pin 4 ■

- Pin 1 ■
- Pin 2 ■
- Pin 3 ■
- Pin 4 ■

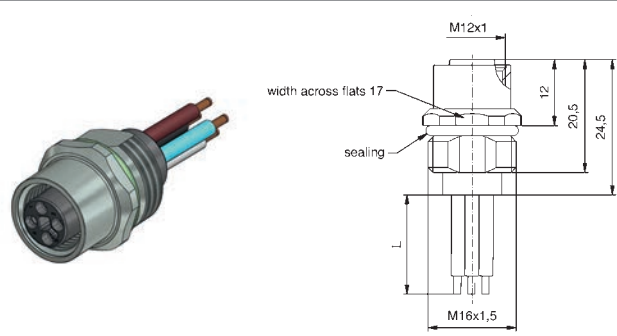
3	T	63	12	1,5	2	SAL-12T-RS3-2/K1	43-19087
					3	SAL-12T-RS3-3/K1	43-19088
					5	SAL-12T-RS3-5/K1	43-19089
					10	SAL-12T-RS3-10/K1	43-19090
4	T	63	12	1,5	2	SAL-12T-RS4-2/K1	43-17581
					3	SAL-12T-RS4-3/K1	43-17930
					5	SAL-12T-RS4-5/K1	43-17931
					10	SAL-12T-RS4-10/K1	43-17932

M12x1 POWER SOCKETS

T-coding

Front panel mounting, wire termination

Female connector M16x1,5 thread

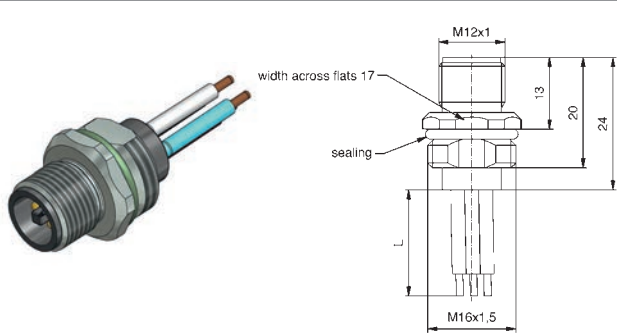


Contact assignment

- Pin 1 ■
- Pin 3 ■
- Pin 4 ■

Number of poles	Coding	Rated voltage [V]	Current rating [A]	Wire material	Wire cross section [AWG]	Wire length = L [m]	Description	Part No.
3	T	63	12	PVC	16	0,5	SAL-12T-FK3-0,5	43-02412
4	T	63	12	PVC	16	0,5	SAL-12T-FK4-0,5	43-02393

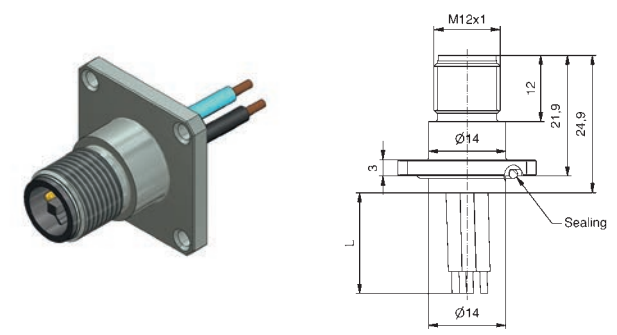
Male connector M16x1,5 thread



- Pin 1 ■
- Pin 3 ■
- Pin 4 ■

3	T	63	12	PVC	16	0,5	SAL-12T-FS3-0,5	43-02413
4	T	63	12	PVC	16	0,5	SAL-12T-FS4-0,5	43-02395

Male connector square flange 26 mm



- Pin 1 ■
- Pin 3 ■
- Pin 4 ■

3	T	63	12	PVC	16	0,5	SAL-12T-FSV03-0,5	43-02498
4	T	63	12	PVC	16	0,5	SAL-12T-FSV04-0,5	43-02499









M12x1 POWER SOCKETS

T-coding









Back panel mounting, wire termination

Female connector M16x1,5 thread

Contact assignment

	Number of poles	Coding	Rated voltage [V]	Current rating [A]	Wire material	Wire cross section [mm²]	Wire length = L [m]	Description	Part No.
 <p>width across flats 19</p> <p>sealing</p> <p>M12x1</p> <p>22</p> <p>21,5</p> <p>M16x1,5</p> <p>L</p>	3	T	63	12	PVC	16	0,5	SAL-12T-FKH3-0,5	43-02416
	<p>Pin 1 </p> <p>Pin 3 </p> <p>Pin 4 </p>	4	T	63	12	PVC	16	0,5	SAL-12T-FKH4-0,5
<p>Pin 1 </p> <p>Pin 2 </p> <p>Pin 3 </p> <p>Pin 4 </p>									

Male connector M16x1,5 thread

 <p>width across flats 19</p> <p>sealing</p> <p>M12x1</p> <p>21,5</p> <p>24</p> <p>M16x1,5</p> <p>L</p>	3	T	63	12	PVC	16	0,5	SAL-12T-FSH3-0,5	43-02417
	<p>Pin 1 </p> <p>Pin 3 </p> <p>Pin 4 </p>	4	T	63	12	PVC	16	0,5	SAL-12T-FSH4-0,5
<p>Pin 1 </p> <p>Pin 2 </p> <p>Pin 3 </p> <p>Pin 4 </p>									

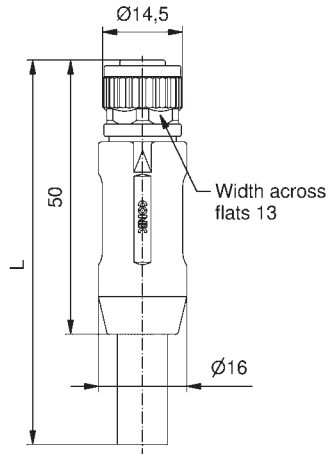
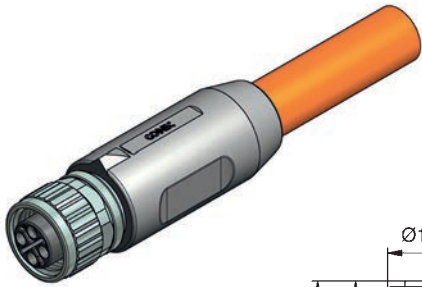
M12x1 POWER CONNECTORS OVERMOULDED
360° shielding, S-coding

Female connector axial

PVC, UL 2570, orange, Li9YCY

Contact assignment

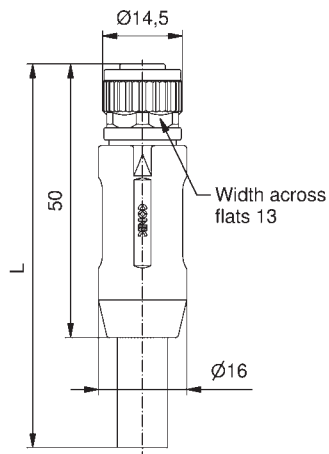
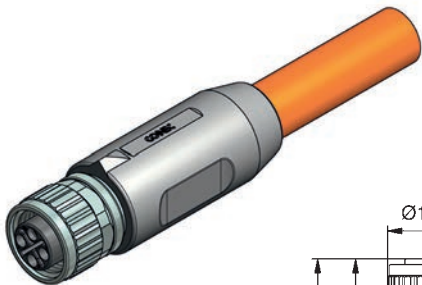
Number of poles	Coding	Rated voltage [V]	Current rating [A]	Cable length = L [m]	Wire cross section [mm ²]	Description	Part No.
2+PE	S	630	12	2	1,5	SAL-12SC-RK2PE-2/ GOA	43-19052
				3	1,5	SAL-12SC-RK2PE-3/ GOA	43-19053
				5	1,5	SAL-12SC-RK2PE-5/ GOA	43-19054
				10	1,5	SAL-12SC-RK2PE-10/ GOA	43-19055
3+PE	S	630	12	2	1,5	SAL-12SC-RK3PE-2/ GOA	43-17116
				3	1,5	SAL-12SC-RK3PE-3/ GOA	43-17117
				5	1,5	SAL-12SC-RK3PE-5/ GOA	43-17118
				10	1,5	SAL-12SC-RK3PE-10/ GOA	43-17119



Note: Voltage may be present only in mated condition.

TPU, UL 21223, orange, Li9YC11Y

2+PE	S	630	12	2	1,5	SAL-12SC-RK2PE-2/ GOB	43-19079
				3	1,5	SAL-12SC-RK2PE-3/ GOB	43-19080
				5	1,5	SAL-12SC-RK2PE-5/ GOB	43-19081
				10	1,5	SAL-12SC-RK2PE-10/ GOB	43-19082
3+PE	S	630	12	2	1,5	SAL-12SC-RK3PE-2/ GOB	43-17913
				3	1,5	SAL-12SC-RK3PE-3/ GOB	43-17914
				5	1,5	SAL-12SC-RK3PE-5/ GOB	43-17915
				10	1,5	SAL-12SC-RK3PE-10/ GOB	43-17916



Note: Voltage may be present only in mated condition.

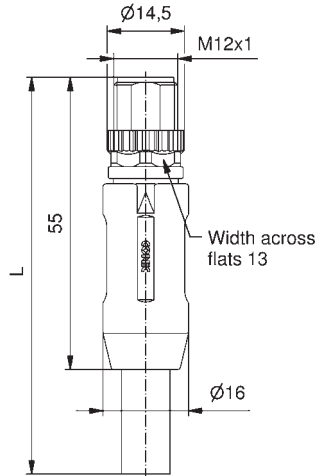
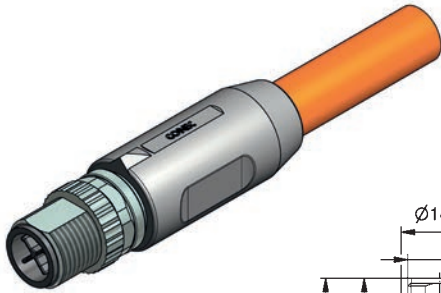
M12x1 POWER CONNECTORS OVERMOULDED

360° shielding, S-coding

Male connector axial

PVC, UL 2570, orange, Li9YCY

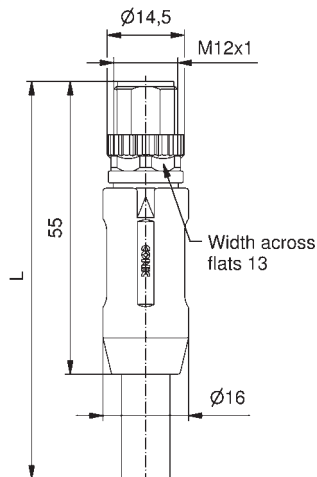
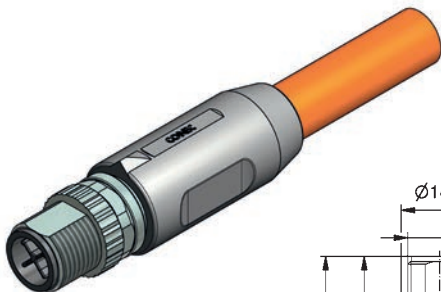
Contact assignment



Note: Voltage may be present only in mated condition.

Number of poles	Coding	Rated voltage [V]	Current rating [A]	Cable length = L [m]	Wire cross section [mm ²]	Description	Part No.
2+PE	S	630	12	2	1,5	SAL-12SC-RS2PE-2/GOA	43-19056
				3		SAL-12SC-RS2PE-3/GOA	43-19057
				5		SAL-12SC-RS2PE-5/GOA	43-19058
				10		SAL-12SC-RS2PE-10/GOA	43-19059
3+PE	S	630	12	2	1,5	SAL-12SC-RS3PE-2/GOA	43-17124
				3		SAL-12SC-RS3PE-3/GOA	43-17125
				5		SAL-12SC-RS3PE-5/GOA	43-17126
				10		SAL-12SC-RS3PE-10/GOA	43-17127

TPU, UL 21223, orange, Li9YC11Y



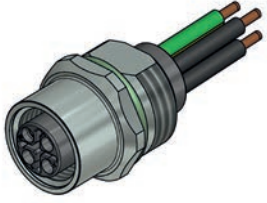
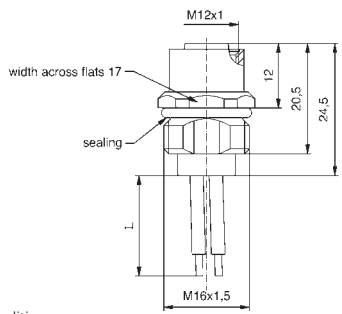







Note: Voltage may be present only in mated condition.

2+PE	S	630	12	2	1,5	SAL-12SC-RS2PE-2/GOB	43-19075
				3		SAL-12SC-RS2PE-3/GOB	43-19076
				5		SAL-12SC-RS2PE-5/GOB	43-19077
				10		SAL-12SC-RS2PE-10/GOB	43-19078
3+PE	S	630	12	2	1,5	SAL-12SC-RS3PE-2/GOB	43-17904
				3		SAL-12SC-RS3PE-3/GOB	43-17905
				5		SAL-12SC-RS3PE-5/GOB	43-17906
				10		SAL-12SC-RS3PE-10/GOB	43-17907

M12x1 POWER SOCKETS S-coding

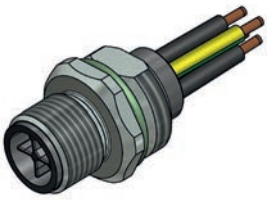
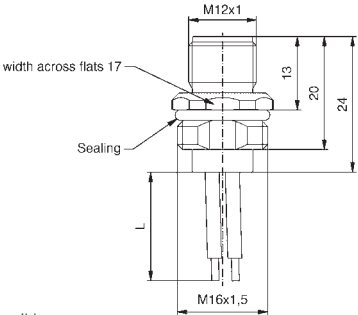







Front panel mounting, wire termination

Female connector M16x1,5 thread

		Contact assignment	Number of poles	Coding	Rated voltage [V]	Current rating [A]	Wire material	Wire cross section [AWG]	Wire length = L [m]	Description	Part No.
 	Pin 1  Pin 3  PE 	2+PE	S	630	12	PVC	16	0,5	SAL-12SC-FK2PE-0,5	43-02410	
	Pin 1  Pin 2  Pin 3  PE 	3+PE	S	630	12	PVC	16	0,5	SAL-12SC-FK3PE-0,5	43-02392	

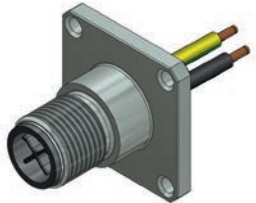
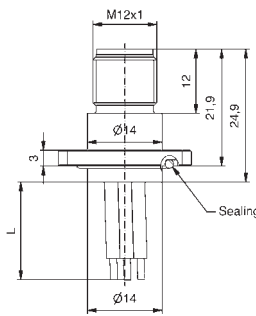







Note: Voltage may be present only in mated condition.

Male connector M16x1,5 thread

 	Pin 1  Pin 3  PE 	2+PE	S	630	12	PVC	16	0,5	SAL-12SC-FS2PE-0,5	43-02411
	Pin 1  Pin 2  Pin 3  PE 	3+PE	S	630	12	PVC	16	0,5	SAL-12SC-FS3PE-0,5	43-02394

Note: Voltage may be present only in mated condition.

Male connector square flange 26 mm

 	Pin 1  Pin 3  PE 	2+PE	S	630	12	PVC	16	0,5	SAL-12SC-FSV02PE-0,5	43-02496
	Pin 1  Pin 2  Pin 3  PE 	3+PE	S	630	12	PVC	16	0,5	SAL-12SC-FSV03PE-0,5	43-02497

Note: Voltage may be present only in mated condition.

M12x1 POWER SOCKETS S-coding

Back panel mounting, wire termination


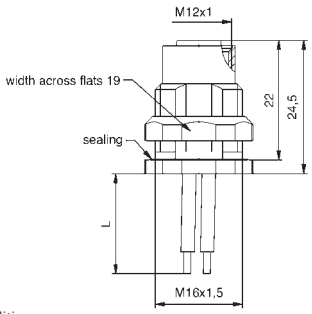







Female connector M16x1,5 thread

Contact assignment

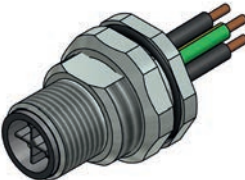
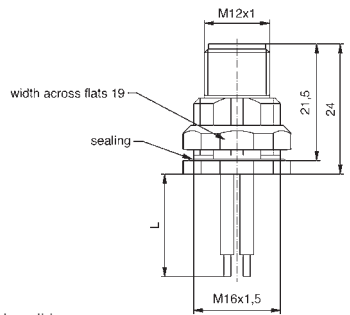







Number of poles	Coding	Rated voltage [V]	Current rating [A]	Wire material	Wire cross section [AWG]	Wire length = L [m]
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Description

Part No.

  <p>Note: Voltage may be present only in mated condition.</p>	Pin 1  Pin 3  PE 	2+PE	S	630	12	PVC	16	0,5	SAL-12SC-FKH2PE-0,5	43-02414
	Pin 1  Pin 2  Pin 3  PE 	3+PE	S	630	12	PVC	16	0,5	SAL-12SC-FKH3PE-0,5	43-02396

Male connector M16x1,5 thread

  <p>Note: Voltage may be present only in mated condition.</p>	Pin 1  Pin 3  PE 	2+PE	S	630	12	PVC	16	0,5	SAL-12SC-FSH2PE-0,5	43-02415
	Pin 1  Pin 2  Pin 3  PE 	3+PE	S	630	12	PVC	16	0,5	SAL-12SC-FSH3PE-0,5	43-02398

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