

SECTION 2

CONNECTORS FIELD-ATTACHABLE





SAL M8x1 CONNECTORS FIELD-ATTACHABLE

Nomenclature

S A L - 8 - R K W C 4 - L

SAL
Sensor Actor Line

Installation size
8 = M8x1

Coding
= A-coding

Building
R = Circular connector

Configuration
K = Female connector
S = Male connector

Building
= Standard
W = Angled

Building
C = Field-attachable

Number of poles
4 = 4-pos
5 = 5-pos

Termination
L = Soldering termination up to max. 0,5 mm²
K = Clamp connection for 0,14 mm² - 0,34 mm²
S = Screw termination up to max. 0,5 mm²

SAL M8x1 CONNECTORS FIELD-ATTACHABLE

Productspecification

Basic material	
Contact	CuZn
Contact plating	Ni, Au gal.
Contact carrier	PA6 GF, UL 94 / PA6, UL 94
Housing	PA6 GF, UL 94
Cable sealing	NBR
Sealing	Silicon
Coupling nut/-screw	Zinc-diecast, nickel plated / CuZn

Technical Data	
Information on the following pages are basing on below mentioned IEC-standards.	
Rated voltage	IEC 61076-2-104
Current rating	IEC 61076-2-104
Insulation resistance	IEC 60512
Pollution degree	IEC 60664-1
Degree of protection	IEC 60529
Temperature range	IEC 60664-1
Mating cycles	IEC 60512-9a

Recommended torquet: 0,4 Nm

Technical subject to change without notice.

SAL M12x1 CONNECTORS FIELD-ATTACHABLE

Nomenclature

S	A	L	-	1	2	-	R	K	W	C	4	-	S	/	075
SAL															
Sensor Actor Line															
Installation size															
12															
= M12x1															
Coding															
S															
= A-coding															
= A-coding shielded															
Building															
R															
= Circular connector															
Configuration															
K															
= Female connector															
S															
= Male connector															
Building															
= Standard															
W															
= Angled															
Building															
C															
= Field-attachable															
Number of poles															
4															
= 4-pos															
5															
= 5-pos															
Type of connection															
S															
= Screw termination															
K															
= Clamp connection															
Terminal cross section															
= max. 0,5 mm ²															
075															
= max. 0,75 mm ²															

SAL M12x1 CONNECTORS FIELD-ATTACHABLE

Products specification

Basic material	
Contact	CuZn
Contact plating	Ni, Au gal.
Contact carrier	PA6, UL 94
Housing	Standard: PA6 GF, UL 94 / Shielded: Die Cast, nickel-plated
Clamp-/screw contact	Stainless steel nickel-plated
Screw termination	CuZn/Ni, Sn gal.
Cable sealing	Elastomere
Sealing	FPM
Coupling nut/-screw	GD-Zn, Ni

Technical Data	
Information on the following pages are basing on below mentioned IEC-standards.	
Rated voltage	IEC 61076-2-101
Current rating	IEC 61076-2-101
Insulation resistance	IEC 60512
Pollution degree	IEC 60664-1
Degree of protection	IEC 60529
Temperature range	IEC 60664-1
Mating cycles	IEC 60512-9a

Recommended torquet: 0,6 Nm

Technical subject to change without notice.

SAL 7/8" CONNECTORS FIELD-ATTACHABLE

Nomenclature

S A L - 7 / 8 - R K C 4 - S

SAL
Sensor Actor Line

Installation size
7/8 = 7/8"

Building
R = Circular connector

Configuration
K = Female connector
S = Male connector

Building
C = Field-attachable

Number of poles
2PE = 2-pos+ground
4 = 4-pos
4PE = 4-pos+ground

Type of connection
S = Screw termination

SAL 7/8" CONNECTORS FIELD-ATTACHABLE

Productspecification

Basic material	
Contact	CuZn
Contact plating	Ni, Au gal.
Contact carrier	TPU, UL 94
Housing	PA6 GF, UL 94
Cable sealing	Elastomere
Coupling nut/-screw	CuZn, nickel-plated

Technical Data	
Information on the following pages are basing on below mentioned IEC-standards.	
Rated voltage	IEC 60664-1
Overvoltage category	IEC 60664-1 2
Overvoltage impulse	IEC 60664-1 2,7kV
Current rating	IEC 60512-3
Insulation resistance	IEC 60512
Pollution degree	IEC 60664-1
Degree of protection	IEC 60529
Temperature range	IEC 60664-1
Mating cycles	IEC 60512-9a

Technical subject to change without notice.

SAL M23x1 CONNECTORS FIELD-ATTACHABLE

Nomenclature

	S	A	L	-	2	3	-	R	K	C	16+3	-	C
SAL													
Sensor Actor Line													
Installation size													
23 = M23x1													
Building													
R = Circular connector													
Configuration													
K = Female connector													
S = Male connector													
Building													
C = Field-attachable													
Number of poles													
16+3 = 16x Signal- + 3x Power contacts													
Type of termination													
C = Crimp termination													
L = Soldering termination													

SAL M23x1 CONNECTORS FIELD-ATTACHABLE

Productspecification

Basic material	
Contact	CuZn
Contact plating	Ni, Au gal.
Contact carrier	PA6, UL 94 / PBT, UL 94
Housing	GD-Zn, Ni
Cable sealing	Elastomere
Coupling nut/-screw	GD-Zn, Ni

Technical Data	
Information on the following pages are basing on below mentioned IEC-standards.	
Rated voltage	IEC 60664-1
Current rating	IEC 60512-3
Insulation resistance	IEC 60512
Pollution degree	IEC 60664-1
Degree of protection	IEC 60529
Temperature range	IEC 60664-1
Mating cycles	IEC 60512-9a

Technical subject to change without notice.

SAL M23x1 CONNECTORS FIELD-ATTACHABLE WITH CABLE

Nomenclature

	S	A	L	-	2	3	-	R	K	C	16+3	/	5	/	K	1
SAL																
Sensor Actor Line																
Installation size																
23 = M23x1																
Building																
R = Circular connector																
Configuration																
K = Female connector																
S = Male connector																
Building																
C = Field-attachable																
Number of poles																
16+3 = 16x Signal- + 3x Power contacts																
16.8+3 = 8x Signal- + 3x Power contacts																
Cable length																
xx = Length [m]																
Cable quality																
K1 = TPU, black, high flexible, halogenfree, UL																

SAL M23x1 CONNECTORS FIELD-ATTACHABLE WITH CABLE

Productspecification

Basic material	
Contact	CuZn
Contact plating	Ni, Au gal.
Contact carrier	PA6, UL 94 / PBT, UL 94
Housing	GD-Zn, Ni
Cable sealing	Elastomere
Coupling nut/-screw	GD-Zn, Ni
Technical Data	
Information on the following pages are basing on below mentioned IEC-standards.	
Rated voltage	IEC 60664-1
Current rating	IEC 60512-3
Insulation resistance	IEC 60512
Pollution degree	IEC 60664-1
Degree of protection	IEC 60529
Temperature range	IEC 60664-1
Mating cycles	IEC 60512-9a

Technical subject to change without notice.

SAL Rund24 CONNECTORS FIELD-ATTACHABLE

Nomenclature

S A L - 2 4 - R K C 3 P E - S

SAL	Sensor Actor Line
Installation size	24 = Rund24
Building	R = Circular connector
Configuration	K = Female connector S = Male connector
Building	C = Field-attachable
Number of poles	3PE = 3-pos+ground
Type of connection	S = Screw-termination

SAL RUND24 CONNECTORS FIELD-ATTACHABLE

Productspecification

Basic material	
Contact	CuZn
Contact plating	Ni, Ag gal.
Contact carrier	PA6 GF, UL 94
Housing	PA6 GF, UL 94
Cable sealing	Elastomere
Sealing	FPM
Coupling nut/-screw	PA GF, UL 94
Technical Data	
Information on the following pages are basing on below mentioned IEC-standards.	
Rated voltage	IEC 60664-1
Current rating	IEC 60512-3
Insulation resistance	IEC 60512
Pollution degree	IEC 60664-1
Degree of protection	IEC 60529
Temperature range	IEC 60664-1
Mating cycles	IEC 60512-9a

Technical subject to change without notice.

SAL M8x1 CONNECTORS

Female connector, axial, field-attachable with screw termination



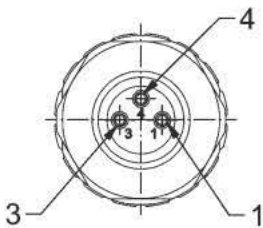
RoHS compliant

TECHNICAL DATA		
Rated voltage	3-pos	4-pos
	60V	30V
Current rating	4A at +40°C with 0,5mm ²	
Pollution degree	3 / 2	
Insulation resistance	>= 100 MΩ	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	>=100	

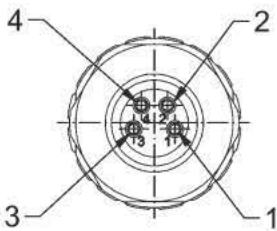
PRODUCT DRAWING

Pin Configuration

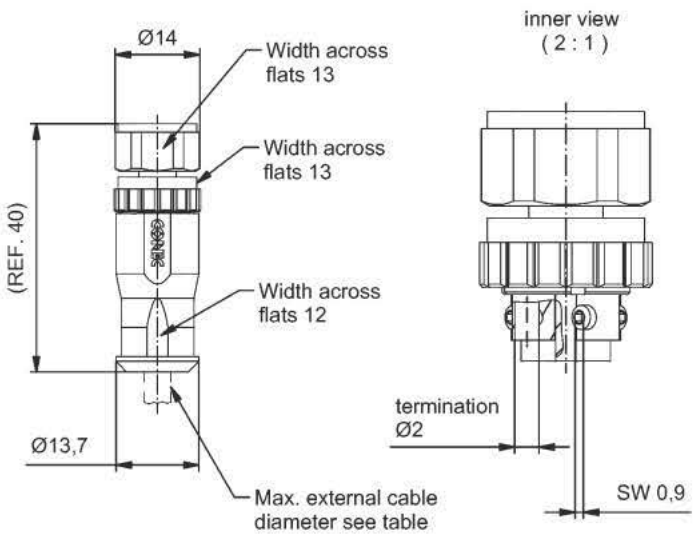
3-pos



4-pos



Dimension



ORDER DATA

Cable outer diameter	Description	3-pos Part-no.	Description	4-pos Part-no.
max. Ø4-5,5mm	SAL-8-RKC3-S	42-00010	SAL-8-RKC4-S	42-00012

SAL M8x1 CONNECTORS

Female connector, angled, field-attachable with screw termination



RoHS compliant

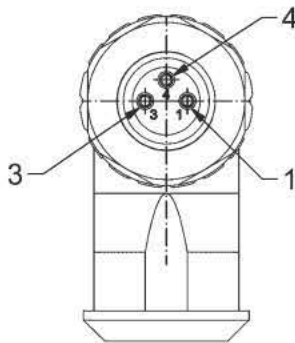
TECHNICAL DATA

Rated voltage	3-pos	4-pos
	60V	30V
Current rating	4A at +40°C with 0,5mm ²	
Pollution degree	3 / 2	
Insulation resistance	>= 100 MΩ	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	>=100	

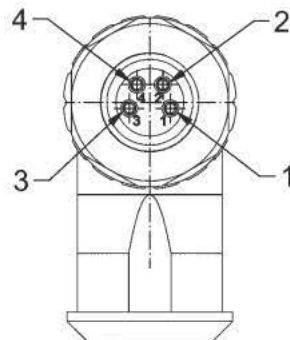
PRODUCT DRAWING

Pin Configuration

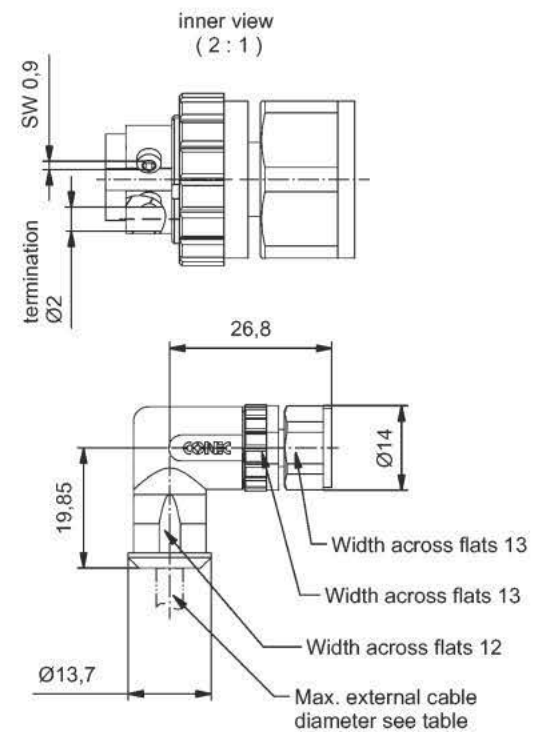
3-pos



4-pos



Dimension



ORDER DATA

Cable outer diameter	Description	3-pos Part-no.	Description	4-pos Part-no.
max. Ø4-5,5mm	SAL-8-RKWC3-S	42-00026	SAL-8-RKWC4-S	42-00028

SAL M8x1 CONNECTORS

Male connector, axial, field-attachable with screw termination



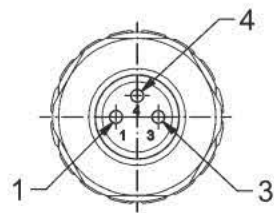
RoHS compliant

TECHNICAL DATA		
Rated voltage	3-pos	4-pos
	60V	30V
Current rating	4A at +40°C with 0,5mm²	
Pollution degree	3 / 2	
Insulation resistance	>= 100 MΩ	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	>=100	

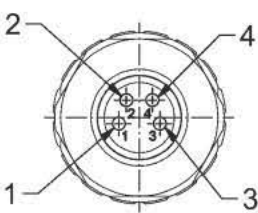
PRODUCT DRAWING

Pin Configuration

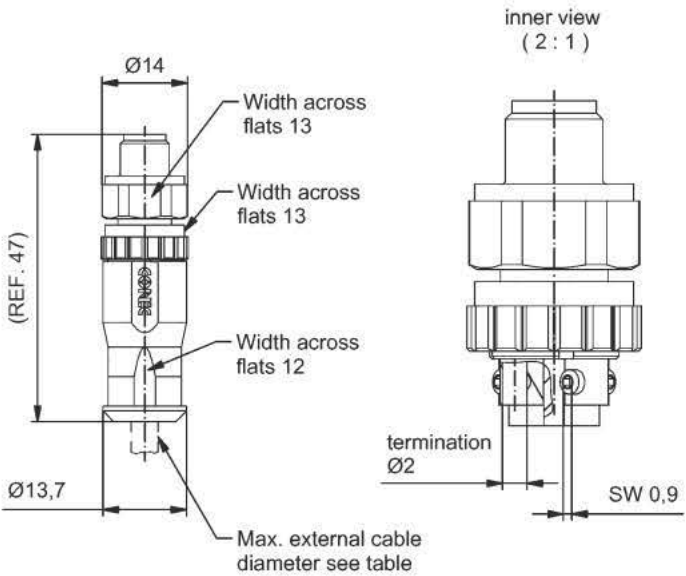
3-pos



4-pos



Dimension



ORDER DATA

Cable outer diameter	Description	3-pos Part-no.	Description	4-pos Part-no.
max. Ø4-5,5mm	SAL-8-RSC3-S	42-00009	SAL-8-RSC4-S	42-00011

SAL M8x1 CONNECTORS

Male connector, angled, field-attachable with screw termination



RoHS compliant

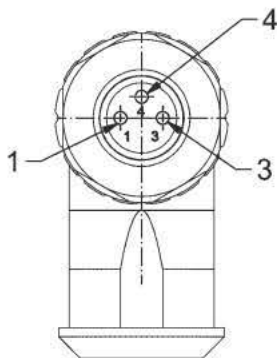
TECHNICAL DATA

Rated voltage	3-pos	4-pos
	30V	30V
Current rating	4A at +40°C with 0,5mm ²	
Pollution degree	3 / 2	
Insulation resistance	>= 100 MΩ	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	>= 100	

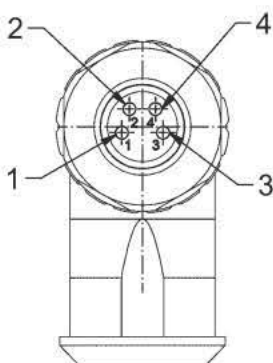
PRODUCT DRAWING

Pin Configuration

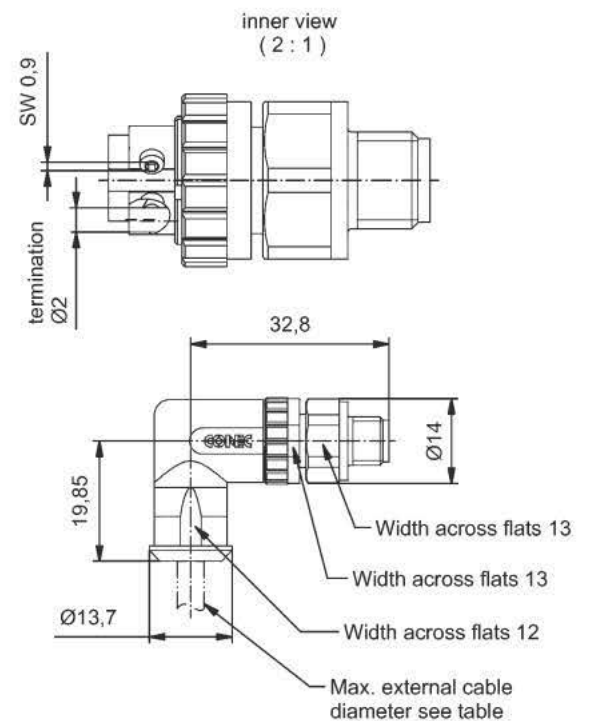
3-pos



4-pos



Dimension



ORDER DATA

Cable outer diameter	Description	3-pos Part-no.	Description	4-pos Part-no.
max. Ø4-5,5mm	SAL-8-RSWC3-S	42-00025	SAL-8-RSWC4-S	42-00027

SAL M8x1 CONNECTORS

Female connector, axial, field-attachable with spring-type termination



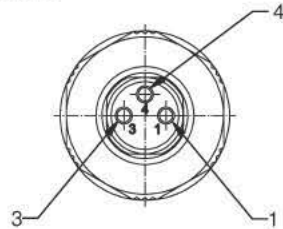
RoHS compliant

TECHNICAL DATA		
Rated voltage	3-pos	4-pos
	60V	30V
Current rating	3A at +40°C with 0,25mm²	
Pollution degree	3 / 2	
Insulation resistance	≥ 100 MΩ	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	≥ 100	

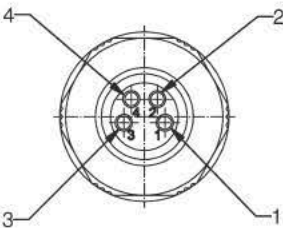
PRODUCT DRAWING

Pin Configuration

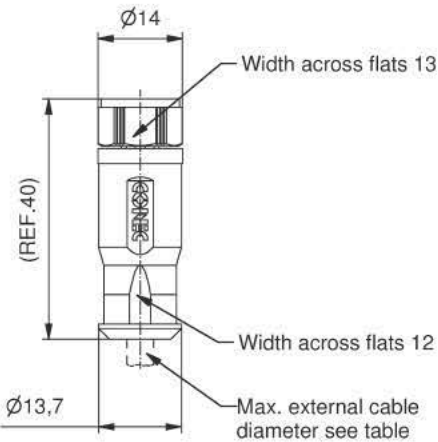
3-pos



4-pos



Dimension



ORDER DATA

Cable outer diameter	Description	3-pos Part-no.	Description	4-pos Part-no.
max. Ø4-5,5mm	SAL-8-RKC3-K	42-00002	SAL-8-RKC4-K	42-00004

SAL M8x1 CONNECTORS

Male connector, axial, field-attachable with spring-type termination



RoHS compliant

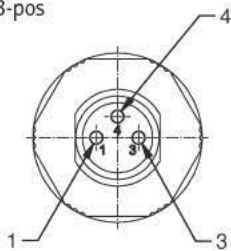
TECHNICAL DATA

Rated voltage	3-pos	4-pos
	60V	30V
Current rating	3A at +40°C with 0,25mm ²	
Pollution degree	3 / 2	
Insulation resistance	≥ 100 MΩ	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	≥ 100	

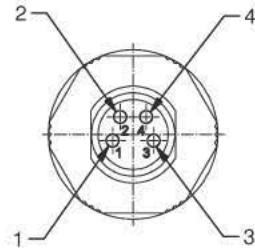
PRODUCT DRAWING

Pin Configuration

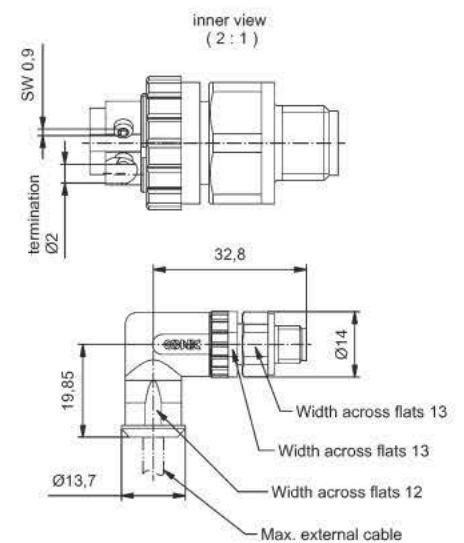
3-pos



4-pos



Dimension



ORDER DATA

Cable outer diameter	Description	3-pos Part-no.	Description	4-pos Part-no.
max. Ø4-5,5mm	SAL-8-RSC3-K	42-00001	SAL-8-RSC4-K	42-00003

SAL M8x1 CONNECTORS

Female connector, axial, field-attachable with solder connection



RoHS compliant

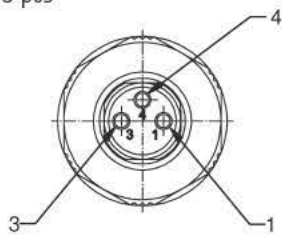
TECHNICAL DATA

Rated voltage	3-pos	4-pos
	60V	30V
Current rating	3A at +40°C with 0,25mm²	
Pollution degree	3 / 2	
Insulation resistance	>= 100 MΩ	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	>=100	

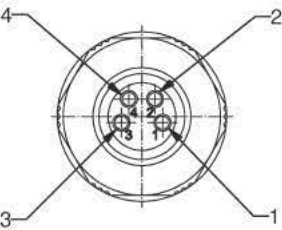
PRODUCT DRAWING

Pin Configuration

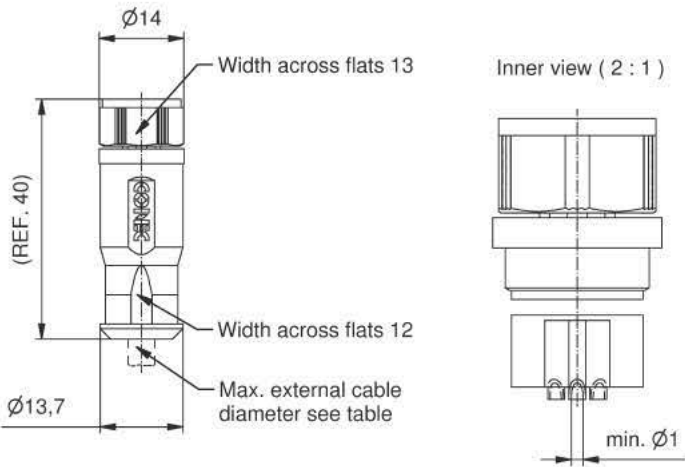
3-pos



4-pos



Dimension



ORDER DATA

Cable outer diameter	Description	3-pos Part-no.	Description	4-pos Part-no.
max. Ø4-5,5mm	SAL-8-RKC3-L	42-00006	SAL-8-RKC4-L	42-00008

SAL M8x1 CONNECTORS

Male connector, axial, field-attachable with solder connection



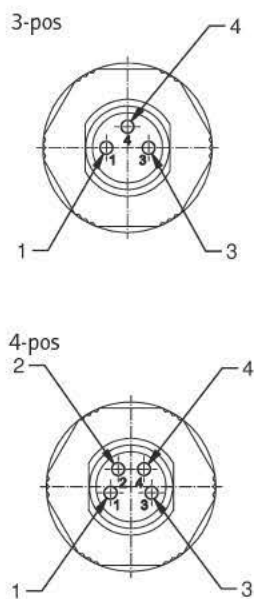
RoHS compliant

TECHNICAL DATA

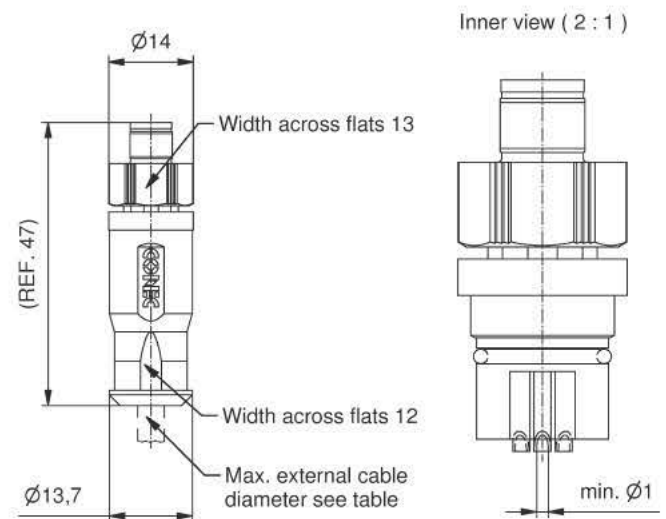
Rated voltage	3-pos	4-pos
	60V	30V
Current rating	3A at +40°C with 0,25mm ²	
Pollution degree	3 / 2	
Insulation resistance	≥ 100 MΩ	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	≥ 100	

PRODUCT DRAWING

Pin Configuration



Dimension

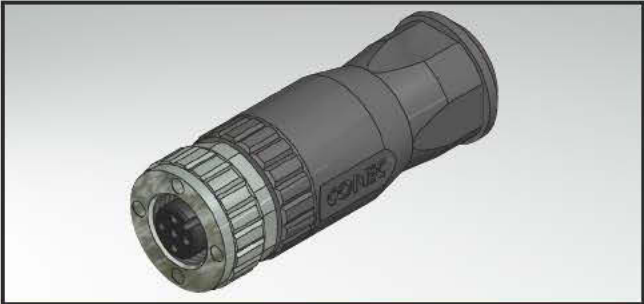


ORDER DATA

Cable outer diameter	Description	3-pos Part-no.	Description	4-pos Part-no.
max. Ø4-5,5mm	SAL-8-RSC3-L	42-00005	SAL-8-RSC4-L	42-00007

SAL M12x1 CONNECTORS

Female connector, axial, field-attachable with screw termination



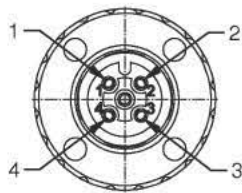
RoHS compliant

TECHNICAL DATA		
Rated voltage	4-pos	5-pos
	250V	60V
Current rating	4A at +40°C	
Pollution degree	3 / 2	
Insulation resistance	>= 100 MΩ	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	>=100	

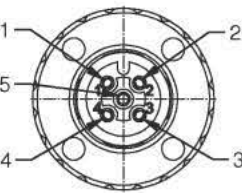
PRODUCT DRAWING

Pin Configuration

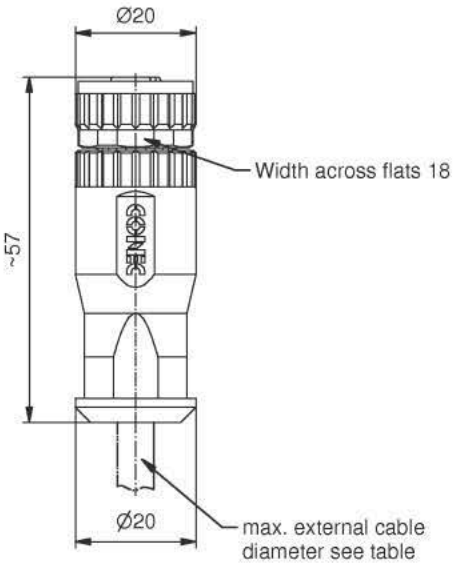
4-pos



5-pos



Dimension



ORDER DATA

Cable outer diameter	Description	4-pos Part-no.	Description	5-pos Part-no.
max. Ø4-8mm	SAL-12-RKC4-S/075	43-00092	SAL-12-RKC5-S/075	43-00094

SAL M12x1 CONNECTORS

Male connector, axial, field-attachable with screw termination



RoHS compliant

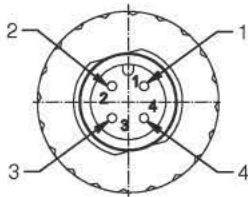
TECHNICAL DATA

Rated voltage	4-pos	5-pos
	250V	60V
Current rating	4A at +40°C	
Pollution degree	3 / 2	
Insulation resistance	≥ 100 MΩ	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	≥ 100	

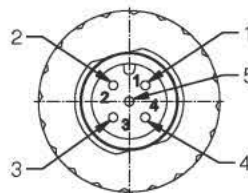
PRODUCT DRAWING

Pin Configuration

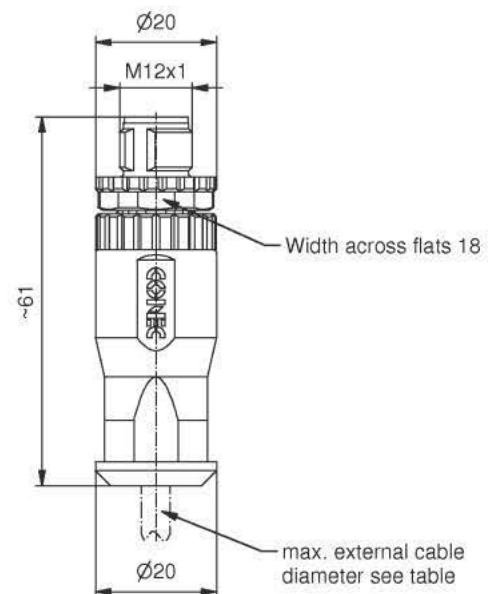
4-pos



5-pos



Dimension

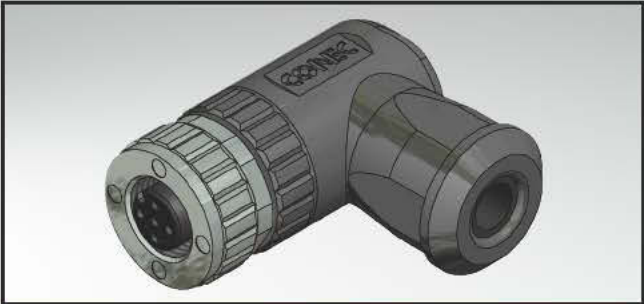


ORDER DATA

Cable outer diameter	Description	4-pos Part-no.	Description	5-pos Part-no.
max. Ø4-8mm	SAL-12-RSC4-S/075	43-00100	SAL-12-RSC5-S/075	43-00102

SAL M12x1 CONNECTORS

Female connector, angled, field-attachable with screw termination



RoHS compliant

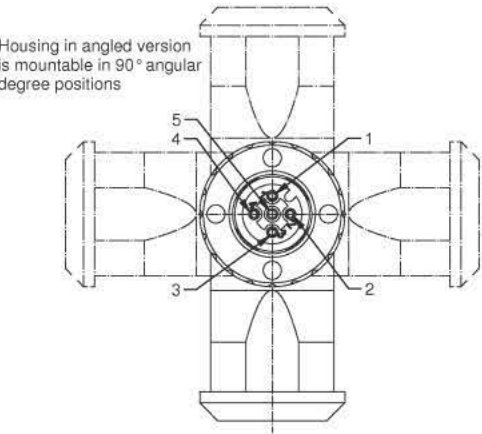
TECHNICAL DATA

Rated voltage	4-pos	5-pos
	250V	60V
Current rating	4A at +40°C	
Pollution degree	3 / 2	
Insulation resistance	>= 100 MΩ	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	>=100	

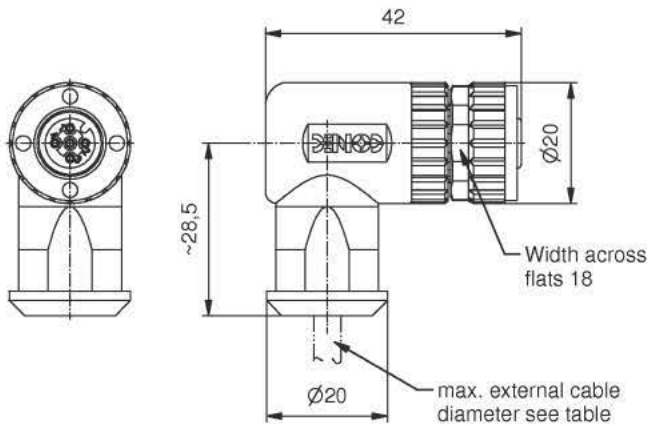
PRODUCT DRAWING

Pin Configuration

4/5-pos



Dimension

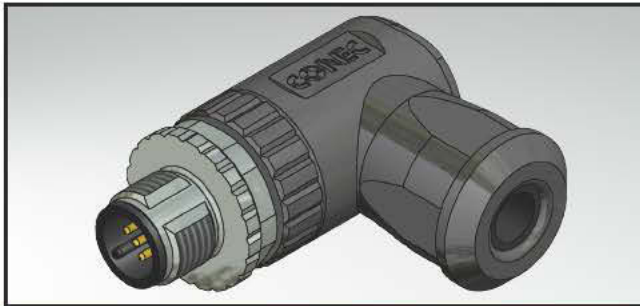


ORDER DATA

Cable outer diameter	Description	4-pos Part-no.	Description	5-pos Part-no.
max. Ø4-8mm	SAL-12-RKWC4-S/075	43-00096	SAL-12-RKWC5-S/075	43-00098

SAL M12x1 CONNECTORS

Male connector, angled, field-attachable with screw termination



RoHS compliant

TECHNICAL DATA

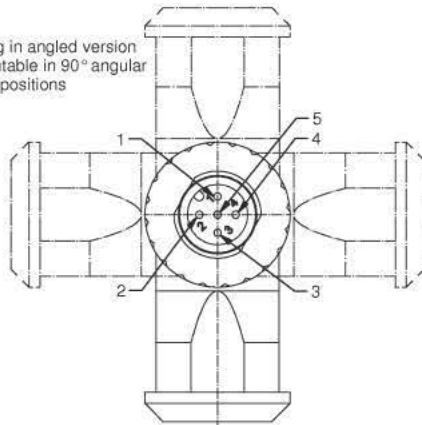
Rated voltage	4-pos	5-pos
	250V	60V
Current rating	4A at +40°C	
Pollution degree	3 / 2	
Insulation resistance	≥ 100 MΩ	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	≥ 100	

PRODUCT DRAWING

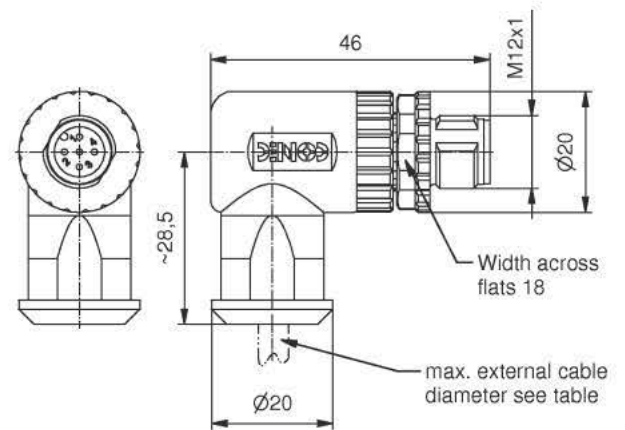
Pin Configuration

4/5-pos

Housing in angled version is mountable in 90° angular degree positions



Dimension

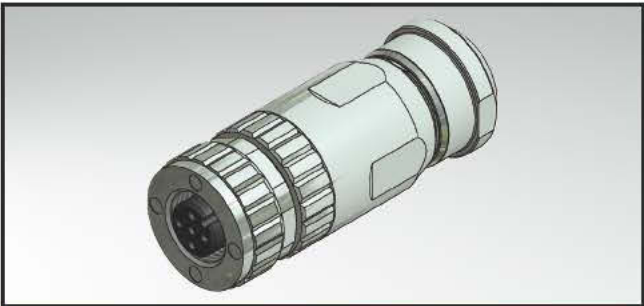


ORDER DATA

Cable outer diameter	Description	4-pos Part-no.	Description	5-pos Part-no.
max. Ø4-8mm	SAL-12-RSWC4-S/075	43-00104	SAL-12-RSWC5-S/075	43-00106

SAL M12x1 CONNECTORS

Female connector, axial, field-attachable, shielded with screw termination



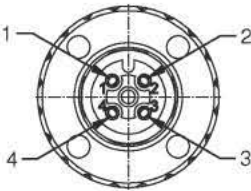
RoHS compliant

TECHNICAL DATA		
Rated voltage	4-pos	5-pos
	250V	60V
Current rating	4A at +40°C	
Pollution degree	3 / 2	
Insulation resistance	>= 100 MΩ	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	>=100	

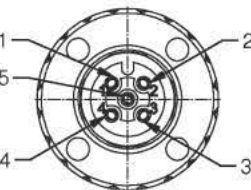
PRODUCT DRAWING

Pin Configuration

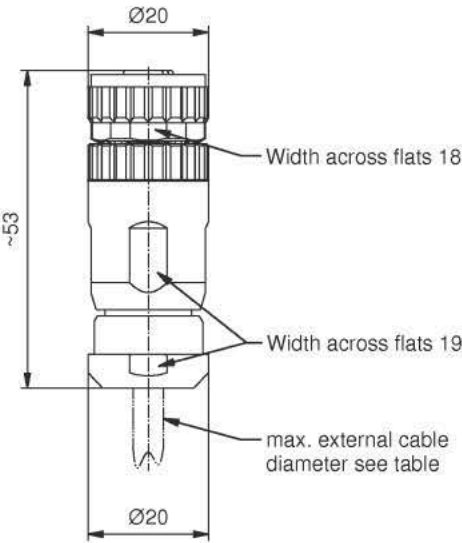
4-pos



5-pos



Dimension

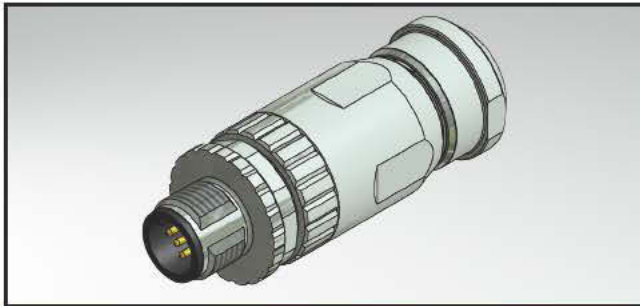


ORDER DATA

Cable outer diameter	Description	4-pos Part-no.	Description	5-pos Part-no.
max. Ø4-8mm	SAL-12S-RKC4-S/075	43-00113	SAL-12S-RKC5-S/075	43-00114

SAL M12x1 CONNECTORS

Male connector, axial, field-attachable, shielded with screw termination



RoHS compliant

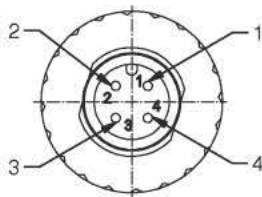
TECHNICAL DATA

Rated voltage	4-pos	5-pos
	250V	60V
Current rating	4A at +40°C	
Pollution degree	3 / 2	
Insulation resistance	≥ 100 MΩ	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	≥ 100	

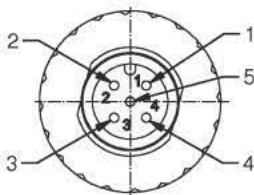
PRODUCT DRAWING

Pin Configuration

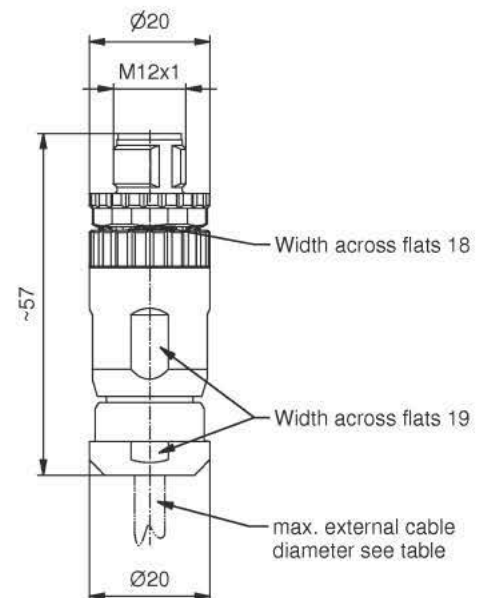
4-pos



5-pos



Dimension

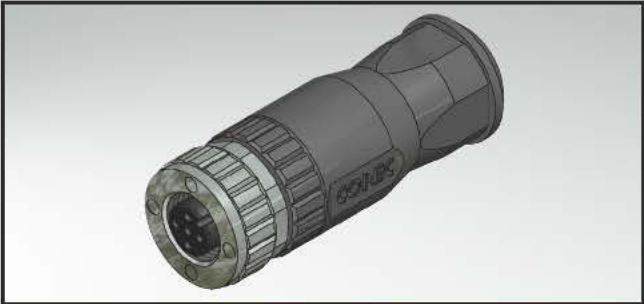


ORDER DATA

Cable outer diameter	Description	4-pos Part-no.	Description	5-pos Part-no.
max. Ø4-8mm	SAL-12S-RSC4-S/075	43-00115	SAL-12S-RSC5-S/075	43-00116

SAL M12x1 CONNECTORS

Female connector, axial, field-attachable with clamp connection



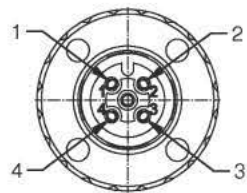
RoHS compliant

TECHNICAL DATA		
Rated voltage	4-pos	5-pos
	250V	60V
Current rating	4A at +40°C	
Pollution degree	3 / 2	
Insulation resistance	>= 100 MΩ	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	>=100	

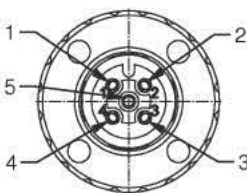
PRODUCT DRAWING

Pin Configuration

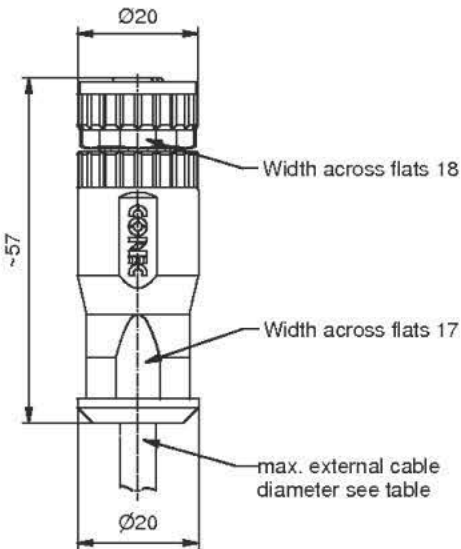
4-pos



5-pos



Dimension

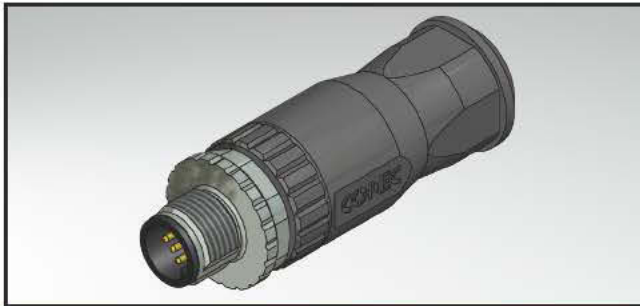


ORDER DATA

Cable outer diameter	Description	4-pos Part-no.	Description	5-pos Part-no.
max. Ø4-8mm	SAL-12-RKC4-K	43-00002	SAL-12-RKC5-K	43-00004

SAL M12x1 CONNECTORS

Male connector, axial, field-attachable with clamp connection



RoHS compliant

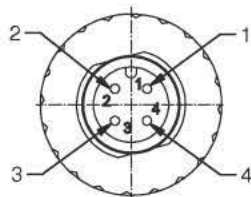
TECHNICAL DATA

Rated voltage	4-pos	5-pos
	250V	60V
Current rating	4A at +40°C	
Pollution degree	3 / 2	
Insulation resistance	≥ 100 MΩ	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	≥ 100	

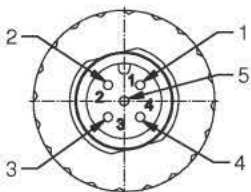
PRODUCT DRAWING

Pin Configuration

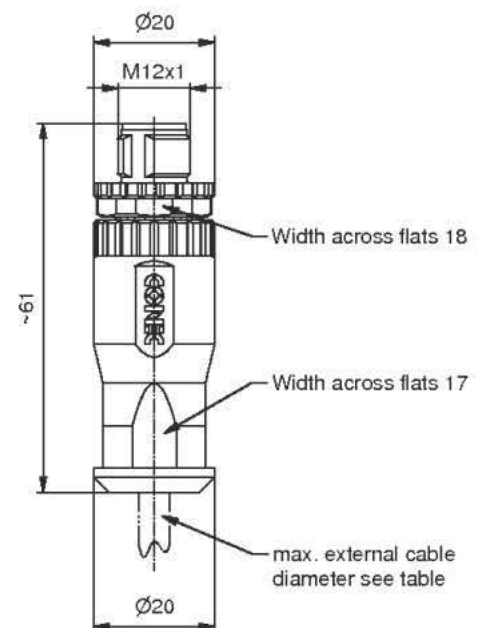
4-pos



5-pos



Dimension

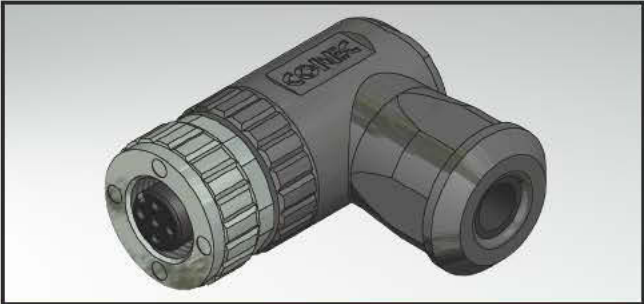


ORDER DATA

Cable outer diameter	Description	4-pos Part-no.	Description	5-pos Part-no.
max. Ø4-8mm	SAL-12-RSC4-K	43-00018	SAL-12-RSC5-K	43-00020

SAL M12x1 CONNECTORS

Female connector, angled, field-attachable with clamp connection



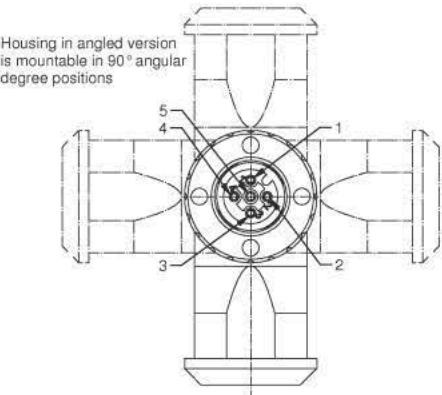
RoHS compliant

TECHNICAL DATA		
Rated voltage	4-pos	5-pos
	250V	60V
Current rating	4A at +40°C	
Pollution degree	3 / 2	
Insulation resistance	>= 100 MΩ	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	>=100	

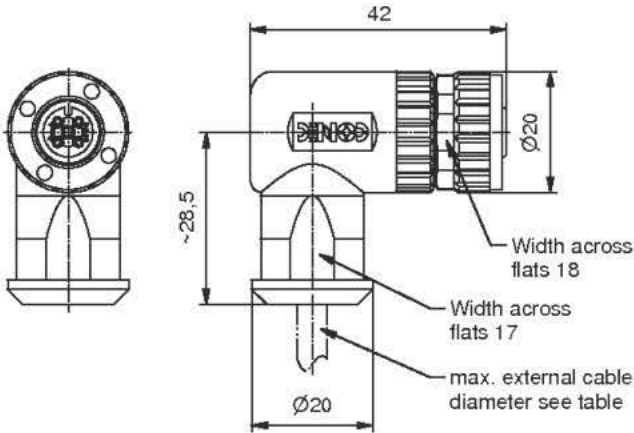
PRODUCT DRAWING

Pin Configuration

4/5-pos



Dimension

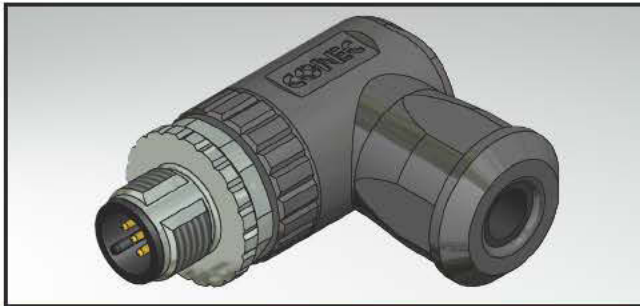


ORDER DATA

Cable outer diameter	Description	4-pos Part-no.	Description	5-pos Part-no.
max. Ø4-8mm	SAL-12-RKWC4-K	43-00010	SAL-12-RKWC5-K	43-00012

SAL M12x1 CONNECTORS

Male connector, angled, field-attachable with clamp connection



RoHS compliant

TECHNICAL DATA

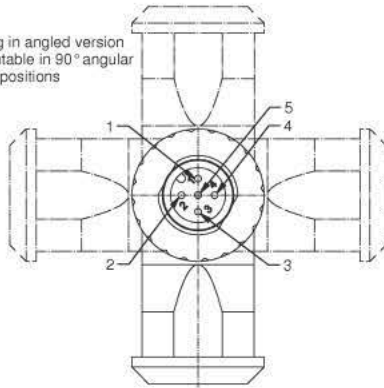
Rated voltage	4-pos	5-pos
	250V	60V
Current rating	4A at +40°C	
Pollution degree	3 / 2	
Insulation resistance	≥ 100 MΩ	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	≥ 100	

PRODUCT DRAWING

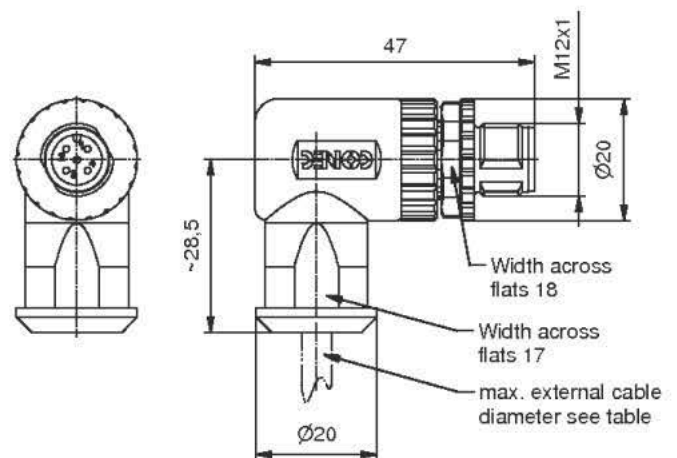
Pin Configuration

4/5-pos

Housing in angled version is mountable in 90° angular degree positions



Dimension

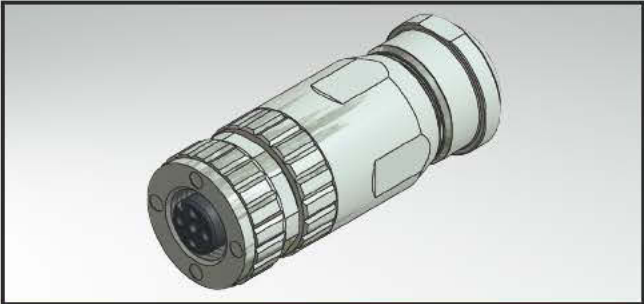


ORDER DATA

Cable outer diameter	Description	4-pos Part-no.	Description	5-pos Part-no.
max. Ø4-8mm	SAL-12-RSWC4-K	43-00026	SAL-12-RSWC5-K	43-00028

SAL M12x1 CONNECTORS

Female connector, axial, field-attachable, shielded with clamp connection



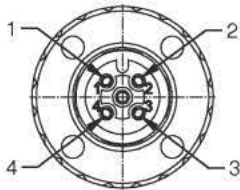
RoHS compliant

TECHNICAL DATA		
Rated voltage	4-pos	5-pos
	250V	60V
Current rating	4A at +40°C	
Pollution degree	3 / 2	
Insulation resistance	≥ 100 MΩ	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	≥ 100	

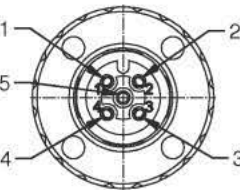
PRODUCT DRAWING

Pin Configuration

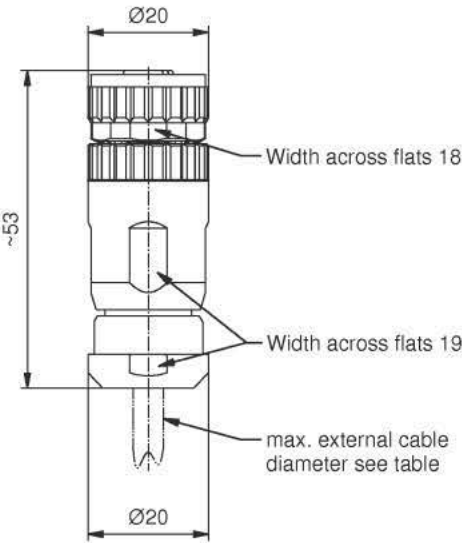
4-pos



5-pos



Dimension

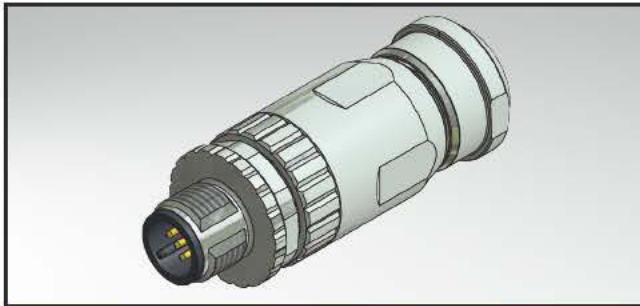


ORDER DATA

Cable outer diameter	Description	4-pos Part-no.	Description	5-pos Part-no.
max. Ø4-8mm	SAL-12S-RKC4-K	43-00041	SAL-12S-RKC5-K	43-00043

SAL M12x1 CONNECTORS

Male connector, axial, field-attachable, shielded with clamp connection



RoHS compliant

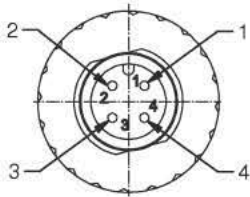
TECHNICAL DATA

Rated voltage	4-pos	5-pos
	250V	60V
Current rating	4A at +40°C	
Pollution degree	3 / 2	
Insulation resistance	≥ 100 MΩ	
Degree of protection	IP67 in mated condition	
Temperature range	-30°C to +85°C	
Mating cycles	≥ 100	

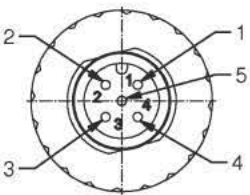
PRODUCT DRAWING

Pin Configuration

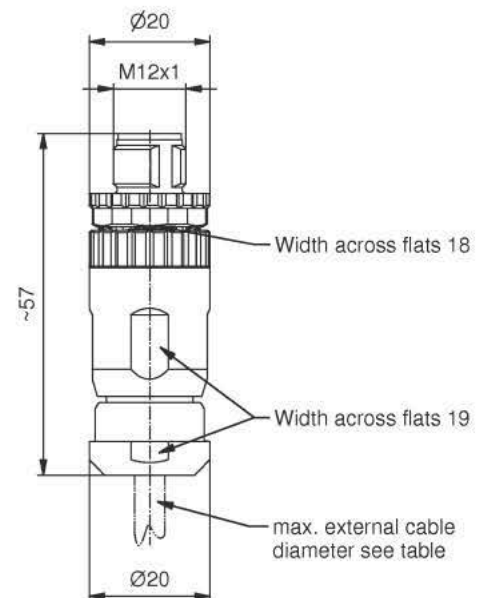
4-pos



5-pos



Dimension



ORDER DATA

Cable outer diameter	Description	4-pos Part-no.	Description	5-pos Part-no.
max. Ø4-8mm	SAL-12S-RSC4-K	43-00049	SAL-12S-RSC5-K	43-00051

SAL 7/8" CONNECTORS

Female connector, axial, field-attachable with screw-termination



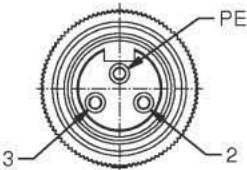
RoHS compliant

TECHNICAL DATA			
Rated voltage	2-pos+ground	4-pos	4-pos+ground
	250V	250V	250V
Current rating	12A at +40°C (2-pos+ground)		
	9A at +40°C (4-pos + 4-pos+ground)		
Pollution degree	3 / 2		
Insulation resistance	≥ 100 MΩ		
Degree of protection	IP67 in mated condition		
Temperature range	-40°C to +85°C		
Mating cycles	≥ 100		

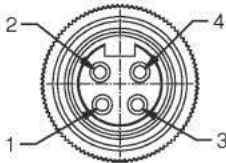
PRODUCT DRAWING

Pin Configuration

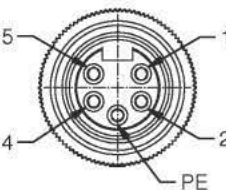
2-pos+ground



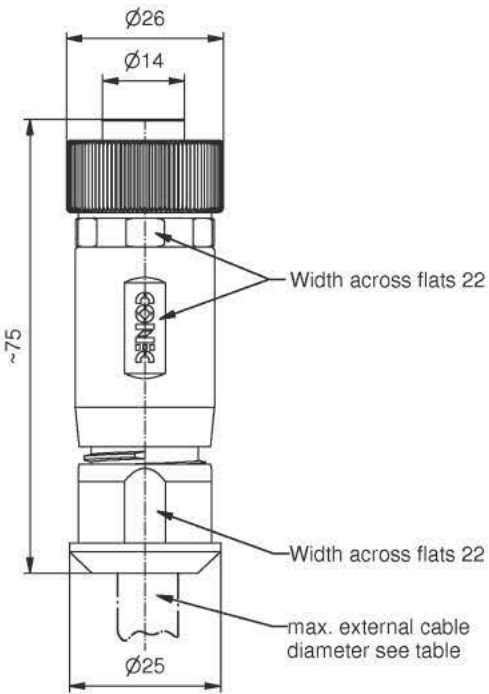
4-pos



4-pos+ground



Dimension



ORDER DATA

Cable outer diameter	Description	2-pos+ground Part-no.	Description	4-pos Part-no.	Description	4-pos+ground Part-no.
max. Ø6-12mm	SAL-7 / 8-RKC2PE-S	41-00001	SAL-7 / 8-RKC4-S	41-00002	SAL-7 / 8-RKC4PE-S	41-00003

SAL 7/8" CONNECTORS

Male connector, axial, field-attachable with screw-termination



RoHS compliant

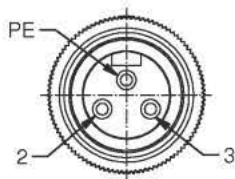
TECHNICAL DATA

Rated voltage	2-pos+ground	4-pos	4-pos+ground
	250V	250V	250V
Current rating	12A at +40°C (2-pos+ground)		
	9A at +40°C (4-pos + 4-pos+ground)		
Pollution degree	3 / 2		
Insulation resistance	≥ 100 MΩ		
Degree of protection	IP67 in mated condition		
Temperature range	-40°C to +85°C		
Mating cycles	≥ 100		

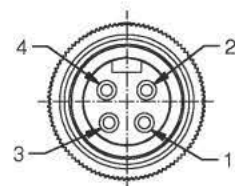
PRODUCT DRAWING

Pin Configuration

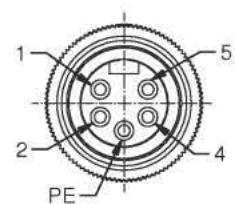
2-pos+ground



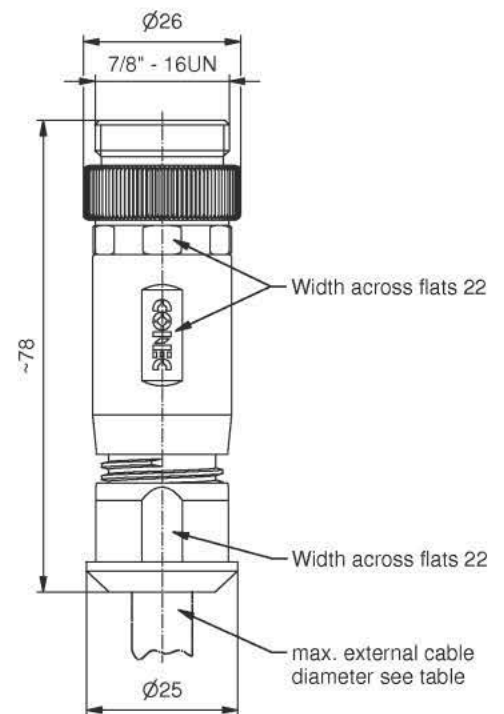
4-pos



4-pos+ground



Dimension



ORDER DATA

Cable outer diameter	Description	2-pos+ground Part-no.	Description	4-pos Part-no.	Description	4-pos+ground Part-no.
max. Ø6-12mm	SAL-7 / 8-RSC2PE-S	41-00004	SAL-7 / 8-RSC4-S	41-00005	SAL-7 / 8-RSC4PE-S	41-00006

SAL M23 CONNECTORS

Female connector, axial, field-attachable, crimp connection



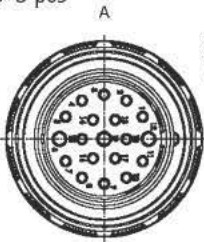
RoHS compliant

PRODUCT DRAWING

TECHNICAL DATA		
Rated voltage	8+3-pos	16+3-pos
	100V	100V
Current rating	Total ampacity: 3 contacts 10A, 16 contacts 8A at 40°C	
	Total ampacity: 3 contacts 10A, 8 contacts 8A at 40°C	
Pollution degree	3	
Insulation resistance	>= 100 MΩ	
Degree of protection	IP67 in mated condition	
Temperature range	-40°C to +125°C	
Mating cycles	>=100	

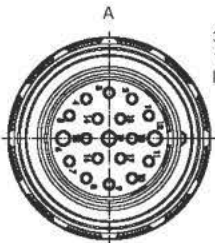
Pin Configuration

8+3-pos



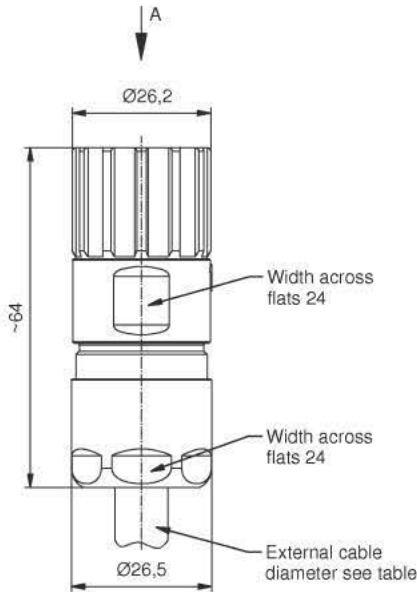
3 Power contacts,
8 Signal contacts
loose insert

16+3-pos



3 Power contacts,
16 Signal contacts
loose insert

Dimension

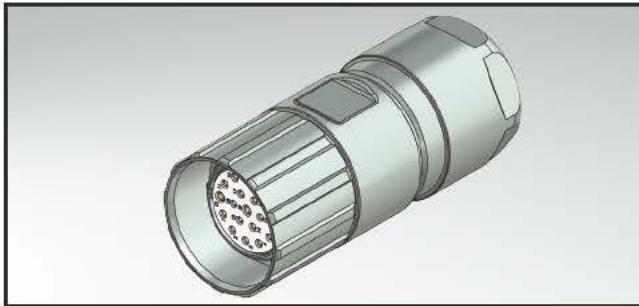


ORDER DATA

Cable outer diameter	Description	8+3-pos Part-no.	Description	16+3-pos Part-no.
3-7mm – 7-12mm – 11-17mm	SAL-23-RKC16.8+3-C	41-90002	SAL-23-RKC16+3-C	41-90000

SAL M23 CONNECTORS

Female connector, axial, field-attachable, solder connection



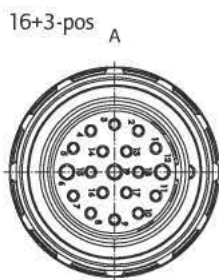
RoHS compliant

TECHNICAL DATA

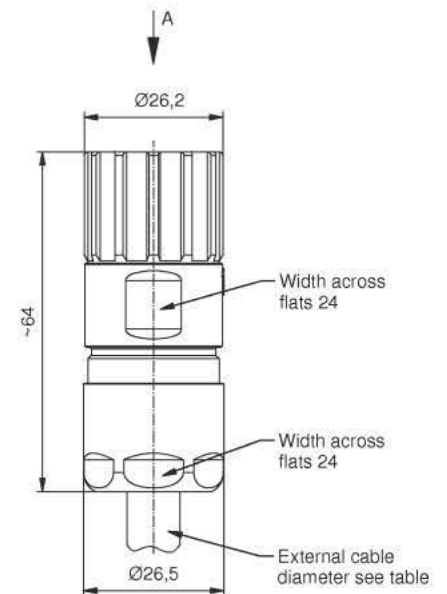
Rated voltage	16+3-pos 100V
Current rating	Total ampacity: 3 contacts 10A, 16 contacts 8A at 40°C
Pollution degree	3
Insulation resistance	$\geq 100 \text{ M}\Omega$
Degree of protection	IP67 in mated condition
Temperature range	-40°C to +125°C
Mating cycles	≥ 100

PRODUCT DRAWING

Pin Configuration



Dimension

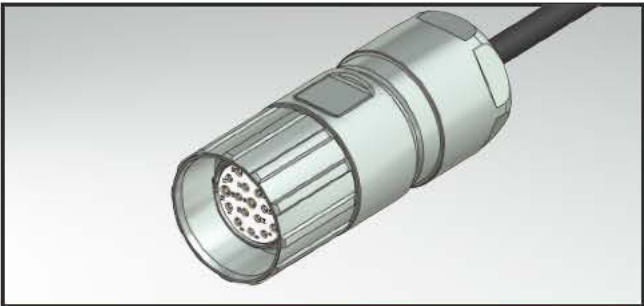


ORDER DATA

Cable outer diameter	Description	16+3-pos Part-no.
3-7mm – 7-12mm – 11-17mm	SAL-23-RKC16+3-L	41-90001

SAL M23 CONNECTORS

Female connector, axial, with cable

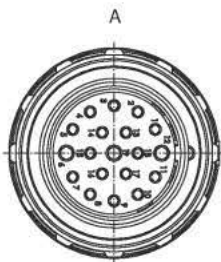


RoHS compliant

TECHNICAL DATA	
Rated voltage	8+3-pos 100V
Current rating	Total ampacity: 3 contacts 10A, 8 contacts 8A at 40°C
Pollution degree	3
Insulation resistance	>= 100 MΩ
Degree of protection	IP67 in mated condition
Temperature range	-40°C to +80°C
Mating cycles	>= 100

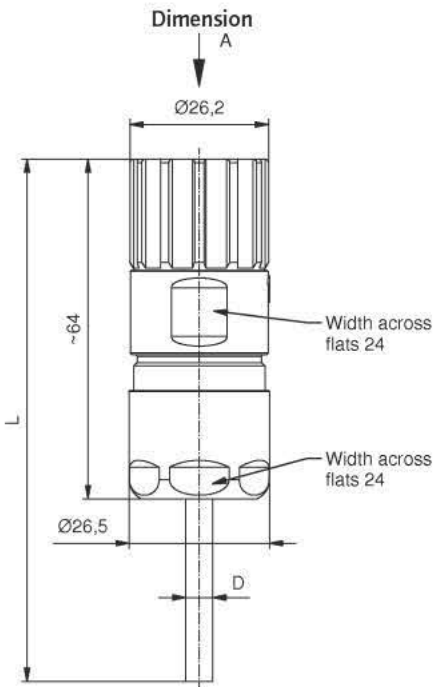
PRODUCT DRAWING

Pin Configuration



Contact Assignment

1) n.c.	11) n.c.
2) n.c.	12) green-yellow (PE)
3) grey	13) n.c.
4) red-blue	14) brown-green
5) green	15) white
6) blue (-)	16) yellow
7) grey-pink	17) n.c.
8) white-green	18) n.c.
9) n.c.	19) brown (+)
10) n.c.	(+), (-), (PE) = 1,0mm²

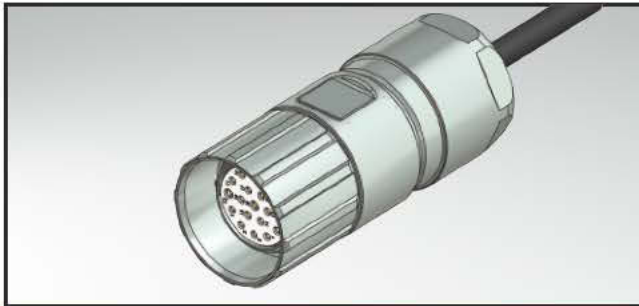


ORDER DATA

Cable	Length/ L	Description	8+3-pos Part-no.
TPU UL halogenfree black	5m	SAL - 23- RKC16.8+3 -5/ K1	41-90005
Li9Y11Y 8x0,34/ 3x1,0 mm²	10m	SAL - 23- RKC16.8+3-10/ K1	41-90006

SAL M23 CONNECTORS

Female connector, axial, with cable



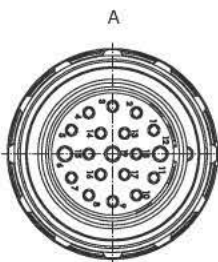
RoHS compliant

TECHNICAL DATA

Rated voltage	16+3-pos 100V
Current rating	Total ampacity: 3 contacts 10A, 16 contacts 8A at 40°C
Pollution degree	3
Insulation resistance	$\geq 100 \text{ M}\Omega$
Degree of protection	IP67 in mated condition
Temperature range	-40°C to +80°C
Mating cycles	≥ 100

PRODUCT DRAWING

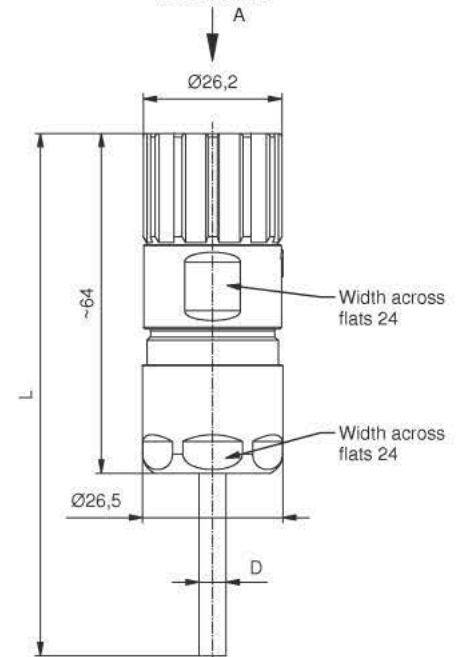
Pin Configuration



Contact Assignment

1) violet	11) black
2) red	12) green-yellow (PE)
3) grey	13) yellow-brown
4) red-blue	14) brown-green
5) green	15) white
6) blue (-)	16) yellow
7) grey-pink	17) pink
8) white-green	18) grey-brown
9) white-yellow	19) brown (+)
10) white-grey	(+), (-), (PE) = 1,0mm²

Dimension



ORDER DATA

Cable	Length/ L	Description	16+3-pos Part-no.
TPU UL halogenfree black	5m	SAL-23-RKC16+3-5/ K1	41-90003
Li9Y11Y 16x0,34/ 3x1,0 mm²	10m	SAL-23-RKC16+3-10/ K1	41-90004

SAL RUND24 CONNECTORS

Female connector, axial, field-attachable with screw-termination



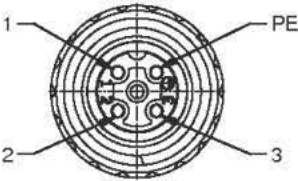
RoHS compliant

TECHNICAL DATA		
Rated voltage	3-pos+ground	6-pos+ground
	400V	250V
Current rating	16A at +40°C (3-pos+ground)	
	10A at +40°C (6-pos+ground)	
Pollution degree	3 / 2	
Insulation resistance	>= 100 MΩ	
Degree of protection	IP67 in mated condition	
Temperature range	-40°C to +85°C	
Mating cycles	>= 100	

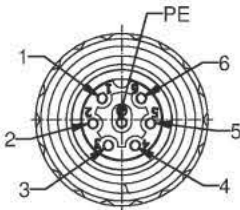
PRODUCT DRAWING

Pin Configuration

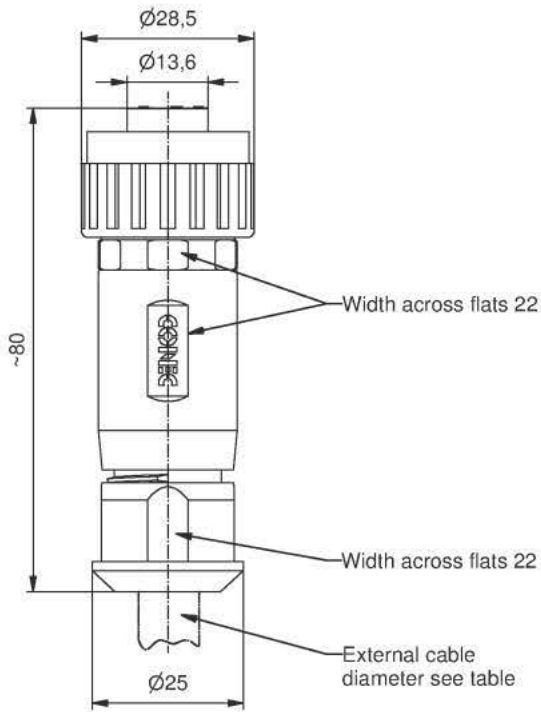
3-pos+ground



6-pos+ground



Dimension



ORDER DATA

Cable outer diameter	Description	3-pos+ground Part-no.	Description	6-pos+ground Part-no.
max. Ø6-12mm	SAL-24-RKC3PE-S	41-50000	SAL-24-RKC6PE-S	41-50001

SAL RUND24 CONNECTORS

Male connector, axial, field-attachable with screw-termination



RoHS compliant

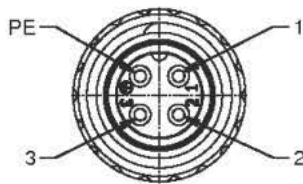
TECHNICAL DATA

Rated voltage	3-pos+ground	6-pos+ground
	400V	250V
Current rating	16A at +40°C (3-pos+ground)	10A at +40°C (6-pos+ground)
	10A at +40°C (6-pos+ground)	
Pollution degree	3 / 2	
Insulation resistance	>= 100 MΩ	
Degree of protection	IP67 in mated condition	
Temperature range	-40°C to +85°C	
Mating cycles	>= 100	

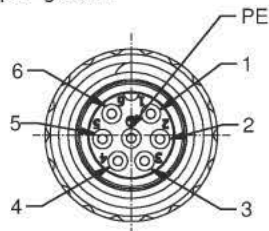
PRODUCT DRAWING

Pin Configuration

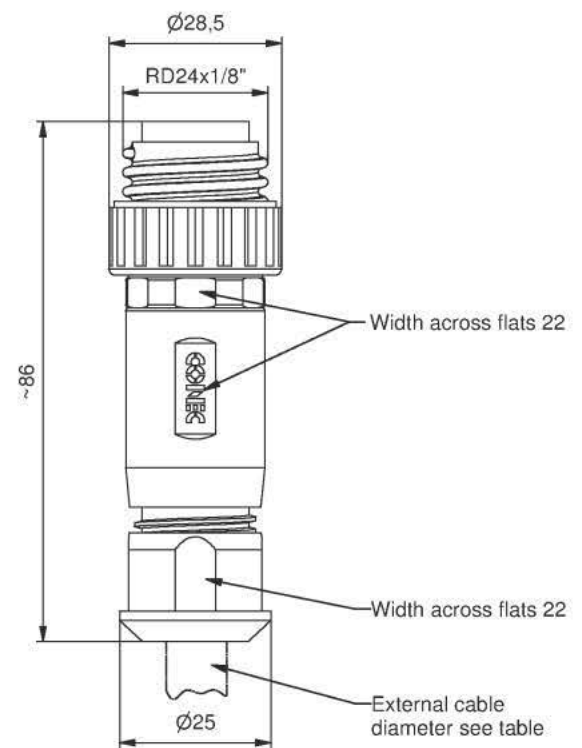
3-pos+ground



6-pos+ground



Dimension



ORDER DATA

Cable outer diameter	Description	3-pos+ground Part-no.	Description	6-pos+ground Part-no.
max. Ø6-12mm	SAL-24-RSC3PE-S	41-50002	SAL-24-RSC6PE-S	41-50003