

SAL M12X1 SOCKETS

Nomenclature

S A L - 1 2 - F K P W 4 - 0,5 - 9

SAL									
Sensor Actor Line									
Installation size									
12 = M12									
Coding									
S = A-coding									
S = A-coding shielded									
Building									
F = Socket									
Configuration									
K = Female connector									
S = Male connector									
Assembly									
= Frontmounting									
P = Positioning possible									
H = Backmounting									
Building									
= Axial									
W = Angled									
Number of poles									
4 = 4-pos									
5 = 5-pos									
8 = 8-pos									
Type of connection									
P5,5 = Length [mm]									
P12 = Length [mm]									
XX = Length of wire [m]									
X5,5 = Installation height [mm]									
X10 = Installation height [mm]									
Screw connection									
= M16x1,5									
9 = PG9									

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Technical Data

Basic material	
Contact	CuZn
Contact plating	Nickel-plated, gold-plated
Contact carrier	PBT GF, UL 94 / PA GF, UL 94
Sealing	FPM
Counter nut	CuZn, nickel-plated
Socket housing	CuZn, nickel-plated
Grouting	Polyurethane-resin, UL 94
Shroud	CuSn6
Shroud plated	Sn plated

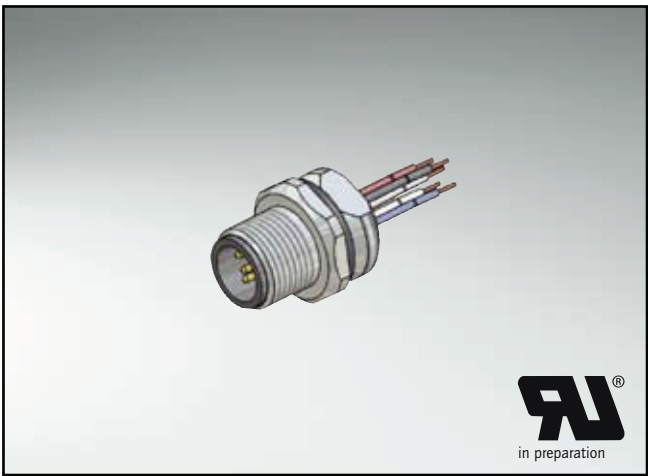
Information on the following pages are basing on below mentioned IEC-standards.

Rated voltage	IEC 61076-2-101
Current rating	IEC 61076-2-101
Insulation resistance	IEC 60512-2
Pollution degree	IEC 60664-1
Degree of protection	IEC 60529
Temperature range	IEC 60664-1
Mating cycles	IEC 61076-2-101

Technical subject to change without notice.

SAL M12X1 CONNECTORS

Male socket with wire, frontmounting, M16x1,5-thread



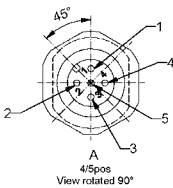
TECHNICAL DATA

Rated voltage	4-pos 250V	5-pos 60V	8-pos 30V
Current rating	4-/5-pos: 4A at +40°C 8-pos: 2A at +40°C		
Pollution degree	3/2		
Insulation resistance	=10 ⁹ Ω		
Degree of protection	IP67 in mated condition		
Temperature range	-30°C to +85°C		
Mating cycles	<=100		

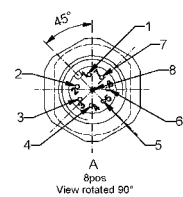
Directive 2002 95 EC
"RoHS"
Compliant

PIN CONFIGURATION

4 - 5-pos



8-pos



CONTACT ASSIGNMENT 4 - 5-POS

- brown — 1
- white — 2
- blue — 3
- black — 4
- green-yellow — 5

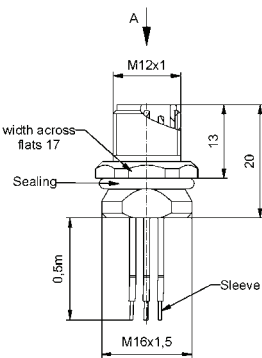
CONTACT ASSIGNMENT 5.1-POS

- brown — 1
- white — 2
- blue — 3
- black — 4
- grey — 5

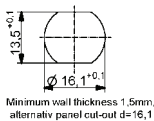
CONTACT ASSIGNMENT 8-POS

- white — 1
- brown — 2
- green — 3
- yellow — 4
- grey — 5
- pink — 6
- blue — 7
- red — 8

DIMENSION DRAWING



CUT-OUT FRONT PANEL



ORDER DATA

Wire	Length/L	Description	4-pos Part-no.	Description	5-pos Part-no.	Description	8-pos Part-no.
PVC, UL AWG 24	0,5m	SAL-12-FS4-0,5	43-01009	SAL-12-FS5-0,5	43-01010	SAL-12-FS8-0,5	43-01011
	0,5m			SAL-12-FS5.1-0,5	43-01049		
Accessories Please order separately		Counter nut	43-01155				