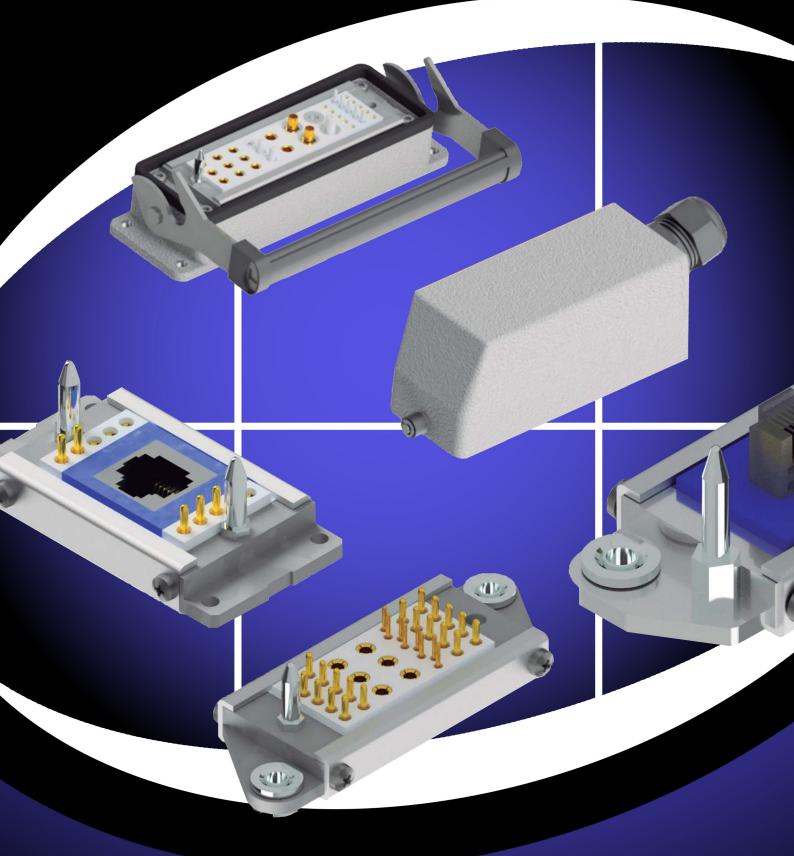
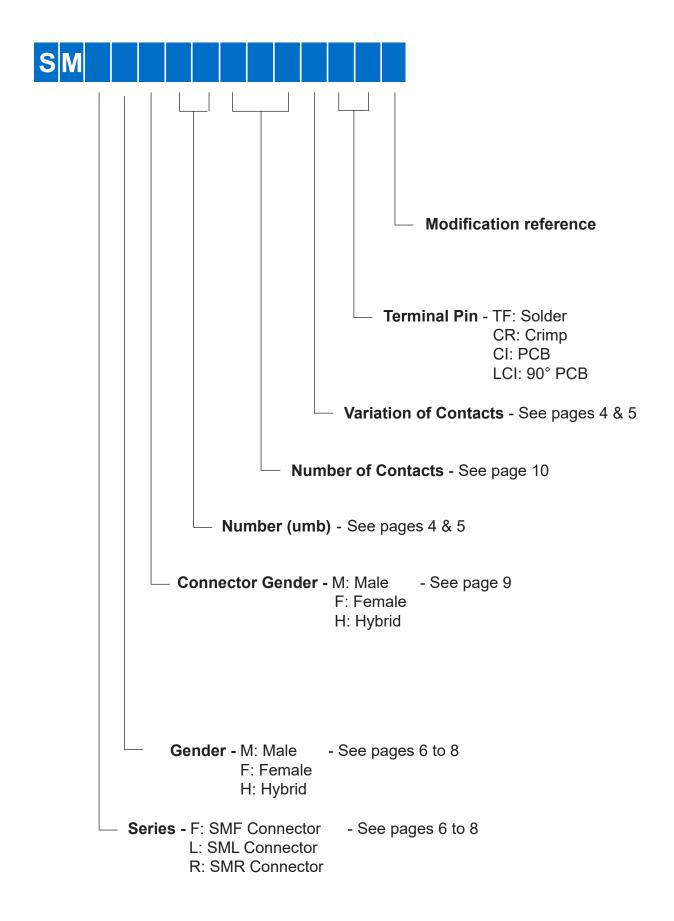
GEEPR **ALFA^R CONNECTORS**

Rectangular and Rack



SM Part Number Reference:



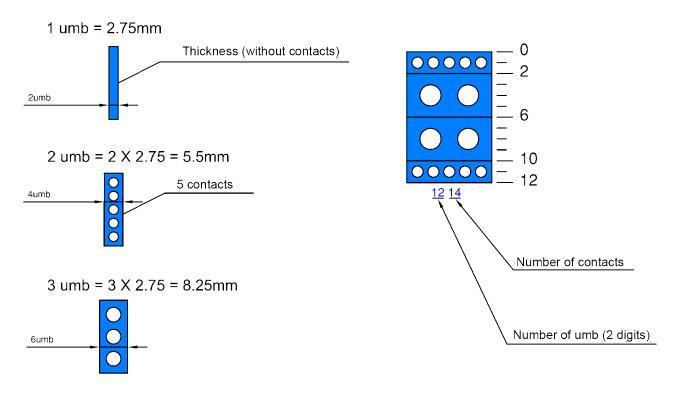
Product Description:

These connectors are made up of male, female or hybrid monoblock elements (SMP) mounted on a rigid and robust aluminium frame.

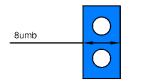
They are manufactured in 13 sizes and in three different clamping brackets (see pages 6-8, series: SMF / SML / SMR).

The connector guides allow for perfect alignment and coupling. These guides, regardless of their arrangement, prevent accidental connection with reversed polarity. A unit of measure (umb) MonoBlock Unit has been established to allow for a composition of different elements (SM). See example configurations below.

Monoblock Unit (umb)



4 umb = 4 X 2.75 = 11mm



Contact Distribution:

1umb	2umb	4umb	6umb	8umb	10	umb	12u	ımb	13u Compata	
0100	0205 0205 0208	0402 0402 0410 0410 0413 0413 0416	0608 0607 0607 0607 0608 0608 0608 0608	O O		Colored C	Colored C	Colored C	O O	O O

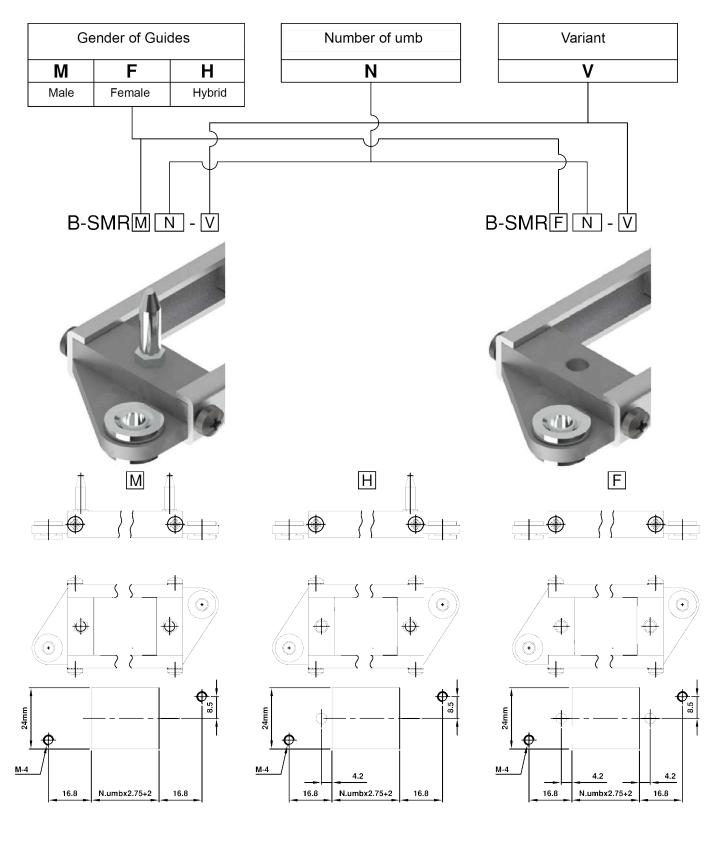
Contact Distribution:

15umb	16umb	18umb	20umb	25umb	3013umb Compatable SME	
• • • • • •	0 0	0 0	0 0	0 0	0 0	

Series SMF Rack:

Characterized by their small size and robustness. Fixed at four points. The guides of the two supports can be male (M), female (F) or one male and the other female, hybrid configuration (H).

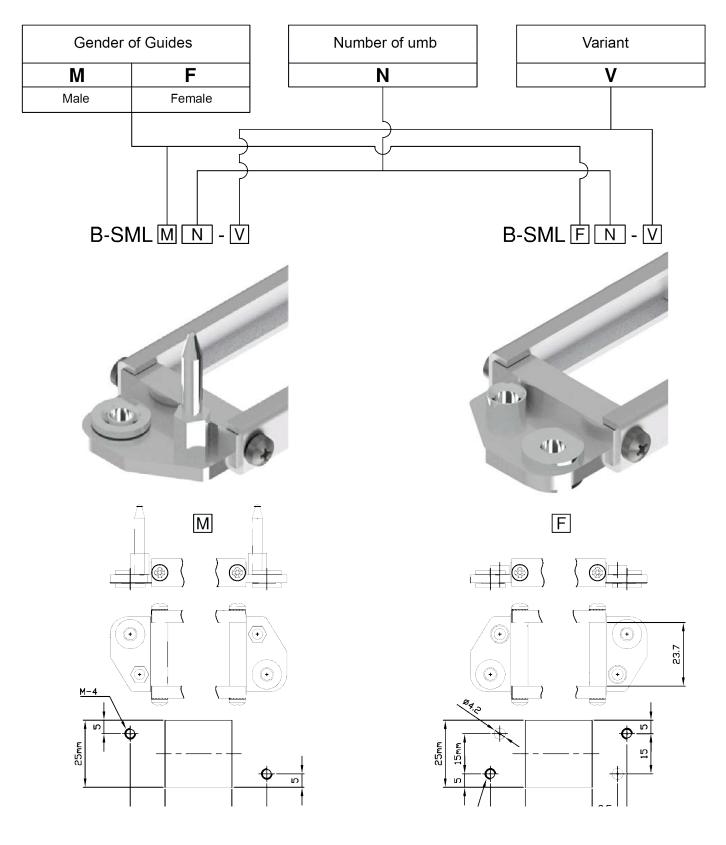
They are compatible with aluminium housings (SME series) in two sizes, 13 umb and 30 umb. The codes shown below are for empty frames (without contact blocks).



Series SML Rack:

These connectors have longer male guides than the other series. The guide of the two supports are always of the same gender, male (M) or female (F). The hybrid configuration is not possible.

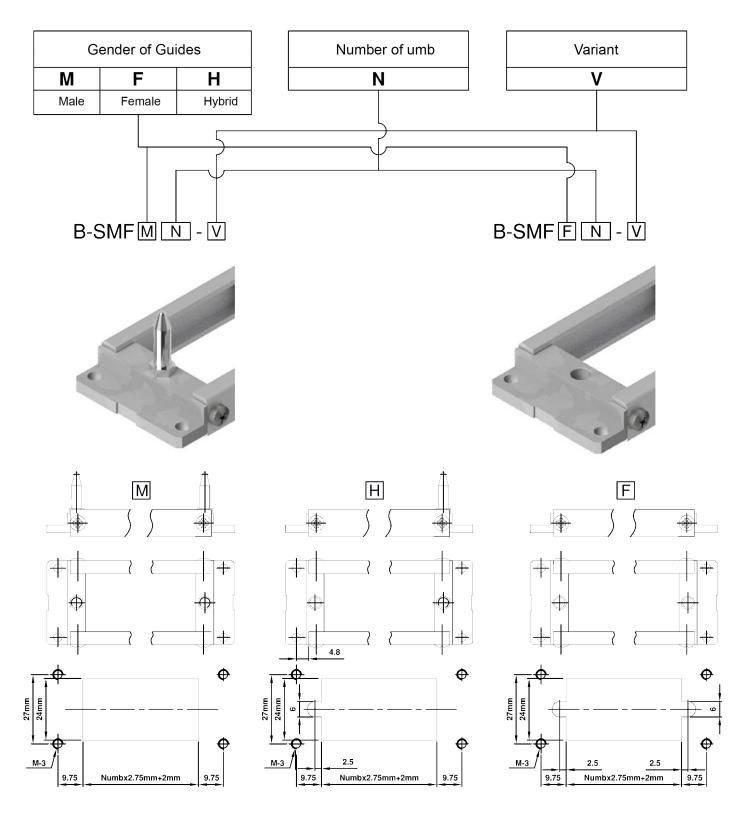
The connectors are provided with a floating clamping system. The codes shown below are for empty frames (without contact blocks).



Series SMR Rack:

In this series, the guides of the two supports can be male (M), female (F), or one male and one female, hybrid configuration (H).

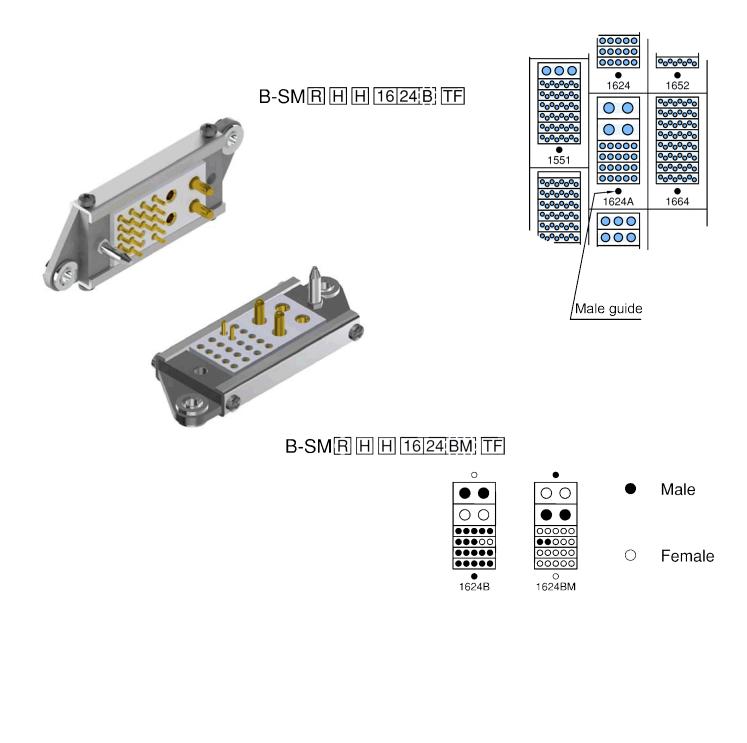
The connectors are provided with a floating fixing system. The codes shown below are for empty frames (without contact blocks).



SMF/L/R

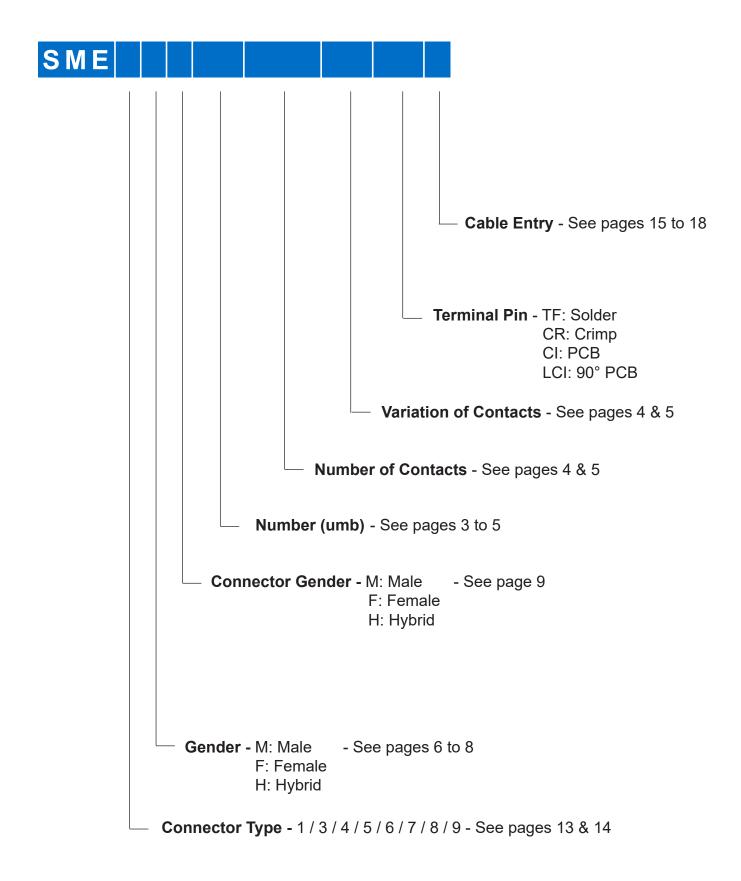
Hybrid connectors come with a male and female guide and an asymmetric arrangement of contacts. The male guide is identified as per the diagram below (for more information please refer to pages 4 & 5).

For connectors containing hybrid contacts (mix of male and female), when the two connectors are mated, they present a totally inverted configuration scheme. This is differentiated by adding the letter M within the part number (see example below).



Contacts:

2	3	5	8	10	16
5.3	2.1	0.9	0.6	0.9	0.9
<6N	<4N	<2N			
> 10³ MΩ					
< 5 MΩ					
2500V	2000V	1500V			
	_	1500V -			_
750V	500V	250V			
- 250V -				_	
-40°C + 120 °C					
-55°C + 90 °C					
25A	15A	10A	7.5A	10A	
	5.3 <6N 2500V 750V	5.3 2.1 <6N <4N 2500V 2000V - 750V 500V -	5.3 2.1 0.9 <6N	5.3 2.1 0.9 0.6 <6N	1 + 1 + 1 + 2 + 3 $1 + 1 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 +$



SME Product Description:

These connectors are made up of elements of the SMF series, mounted in aluminium housings. They are manufactured in two sizes: 13umb (from 6 to 48 contacts) 30umb (from 14 to 120) (See diagrams on pages 4 and 5)

The housings are provided with gaskets resistant to industrial agents, mineral oils and hydrocarbons, which, together with the appropriate cable outlet accessories, guarantee an IP65 degree of protection. For the cable outlet there is a wide range of accessories consisting of: integrated cable glands, external plastic, external metal and spiral glands of various diameters (see pages 15-18)



Series SME Type:







Extended vertical entry, with pivots **SME 3**

Vertical entry, with pivots

SME 1



Side entry 15°, with pivots **SME 4**



Extended side entry 15°, with pivots **SME 5**

Series SME Type:



Vertical outlet, with lever **SME 6**



Vertical outlet, with lever **SME 7**

Recessed base, with pivots **SME 8**



Recessed base, with lever **SME 9**

Taking into account the size of the connector and the cable, we can complete the code according to the table below. Available with: EMI Shield, flexible spiral, rigid cable, or multiple cable outlet (see figure below). Please contact us for more information.

	Cable Gland									
Ø Cable Entry		Sino	Reference							
Min	Мах	Size	Plastic	Metal	Ground Contact	Spiral				
5	10		А	E	-	SA				
6	13		-	-	I	-				
7	13	M20	В	F	J	SB				
7.5	14		-	-	L	-				
10	14		D	н	-	SD				
7	15		В	F	-	SB				
11	21		С	G	К	SC				
16	24.5	M32	-	-	L	-				
20	25		D	Н	-	SD				
11*	23		А	E	-	SA				
19	28	M40	В	F	J	SB				
22	32		-	н	L	-				
27	32		D	-	-	SD				

*With silicone reducer. Ref:N050S100TA0 (8-12)

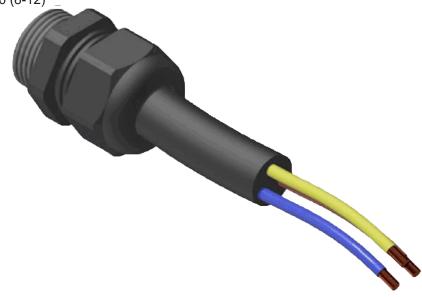
Plastic Cable Gland

Available Colours: RAL 7001 Silver/Grey RAL 7035 Light grey RAL 9005 Black/ UV resistant

Material: Body: Polyamide Seal: EPDM Sealed to connector: Silicone

Protection: IP68 - 5 Bar

Working temperature: Static: from -40°C to 100°C Dynamic: from -40°C to 100°C



RAI

MAT

IP

TEMP

Cable Glands



Metal Cable Gland

 Material: Body: Nickel plated brass Seal: EPDM Sealed to connector: Silicone

Protection: IP68 - 10 Bar

Working temperature: Range from -30°C to 100°C They are also supplied on demand with a temperature range up to 200°C

Metal Cable Gland with mesh



TEMP

Material: Body: Nickel plated brass Seal: EPDM Sealed to connector: Silicone

Protection: IP68 - 10 Bar

Working temperature: Range from -30°C to 100°C They are also supplied on demand with a temperature range up to 200°C

Plastic Spiral Cable Gland

Available Colours: RAL 7001 Silver/Grey RAL 7035 Light grey RAL 9005 Black/ UV resistant

Material: Body: Polyamide Seal: EPDM Sealed to connector: Silicone

Protection: IP68 - 5 Bar

Working temperature: Static: from -20°C to 100°C Dynamic: from -40°C to 100°C

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RAL

MAT

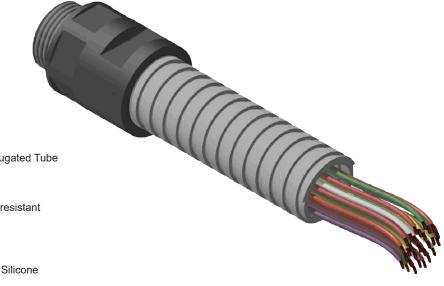
IP

TEMP

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Cable Glands:

Cable Gland for Corrugated Tube								
	Ø Tube	Size	Reference					
Nom	Ext	Int	Size	Referice				
10	13	10	M16	FB				
12	15.8	12	M16	FC				
12	15.8	12	MOO	FD				
16	21.2	16.5	M20	FE				
27.5	34.9	29	M32	FF				
35	42.5	36	M40	FG				
48	54.5	48	M63	FH				



Cable Gland for Corrugated Tube

RAL MAT IP

RAL

MAT)

IP

TEMP)

Available Colours: RAL 7035 Light grey RAL 9005 Black/ UV resistant

Material: Body: Polyamide Seal: EPDM Sealed to connector: Silicone

Protection: IP68 - 5 Bar IP69K according to DIN 40050 T.9

Working temperature: Range from -30°C to 100°C

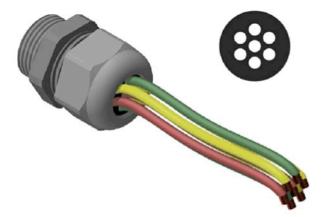
Multi-Cable Plastic Gland

Available Colours: RAL 7001 Silver/Grey RAL 7035 Light grey RAL 9005 Black/ UV resistant

Material: Body: Polyamide Seal: NBR / VITON Sealed to connector: Silicone

Protection: IP54

Working temperature: Static: from -40°C to 100°C



Cable Gland for Corrugated Tube							
No of Cables	Ø Cable	Size	Reference	Material			
2	2		J1				
2	3	M16	J2				
2	4		J3				
2	5		J4				
2	6		J5				
3	4		J6				
3	5.3		J7	NBR			
3	5.8		J8				
4	4	M20	J9				
4	5		J10				
9	2		J11				
4	3		J12				
2	5		JV1*	VITON			
2	6		JV2*	VITON			
2	7	-	J13				
2	8		J14				
2	9		J15				
3	7		J16				
3	8		J17				
4	6		J18				
4	7	M32	J19				
5	6		J20				
6	5		J21				
8	4		J22				
8	5		J23	NBR			
9	4	1	J24				
2	9		J25				
3	10		J26				
4	8		J27				
4	9		J28				
5	8	M40	J29				
5	9		J30				
6	7		J31				
8	6		J32				
9	6.9		J33				
9	6.9		JV3*	VITON			



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