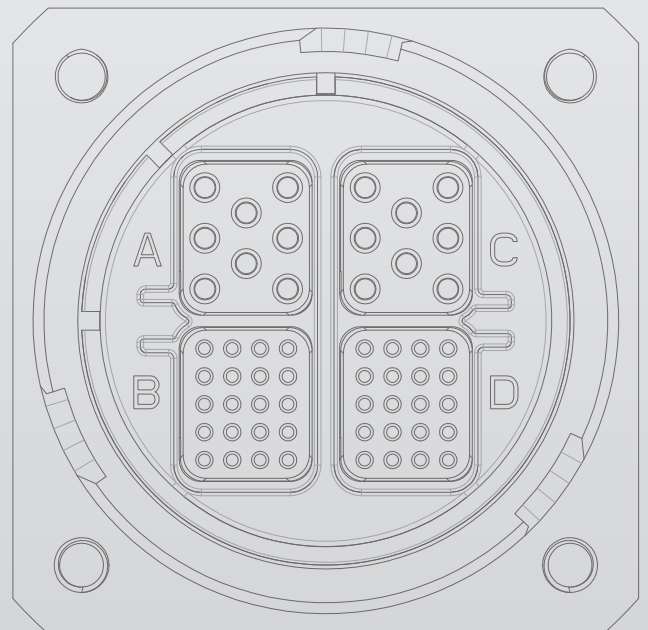


Amphenol-Air LB

Modular Reverse Bayonet



Amphenol-Air LB



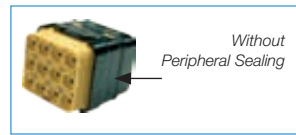
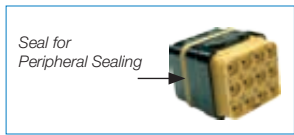
- Reverse Bayonet shell size 32
- Harsh environment
- Modular, more than 230,000 different layout configurations
- 5 different polarisations
- Module with contact size from AWG 23 to AWG 8
- Module for RJField, Quadrax, Micro coax and Twinax
- Fiber Optic: Luxcis[®], Amphelux[®], Elio[®], MPO and M29504 Butt joint terminations
- Shunted modules
- IP protection class: IP 66 and IP 67

MODULES FOR CRIMPED CONTACTS

Caption

- Green module = High contact density
- Purple modules are designed for ASNE contacts

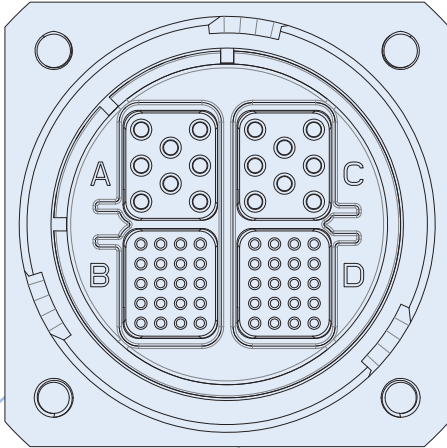
Pin rear view	Pin front view	Layout	Pin module	Socket module
		Rigid Protective Cap	SIM 201 NEW	
		30 contacts size 23	SIM * 3023 P *	SIM * 3023 S *
		20 contacts size 22	SIM * 2022 P *	SIM * 2022 S *
		12 contacts size 20	SIM * 1220 P *	SIM * 1220 S *
		8 contacts size 16	SIM * 0816 P *	SIM * 0816 S *
		4 contacts size 12	SIM * 0412 P *	SIM * 0412 S *
		1 contact size 8	SIM * 0108 P *	SIM * 0108 S *
		1 quadrax contact anti-rotate on polarizer side	SIM * 0118 P *	SIM * 0118 S *
		1 quadrax contact anti-rotate on polarizer opposite side	SIM * 0128 P *	SIM * 0128 S *
		5 contacts size 22 & 6 contacts size 16	SIM * 9901 P *	SIM * 9901 S *
		6 contacts size 22 & 3 contacts size 20	SIM * 0936 P *	SIM * 0936 S *
		8 contacts size 20 & 2 contacts size 16	SIM * 0910 P *	SIM * 0910 S *
		12 contacts size 20	SIM * 0912 P *	SIM * 0912 S *
		SIM RJ45 Ethernet : <i>Metallized</i>	SIM M D 0145 P N	SIM M D 0145 S N
		SIM RJ45 Ethernet : <i>Not metallized</i>	SIM M N 0145 P N	SIM M N 0145 S N
		Sealing module	SIM * L0000 P N	/



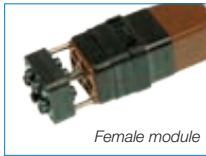
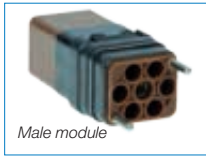
Peripheral sealing
E : Sealed
M : Not Sealed

SHUNT MODULES

Electrical system is printed on the grommet.
These modules are only available in male version.



Male module	Drawing	Layout	Peripheral Sealing
		20 contacts size 22 [5x4] shunted contacts	SIM EZ 2022 P *
		20 contacts size 22 [3x4] + [4x2] shunted contacts	SIM EZ 2A22 P *
		20 contacts size 22 [10x2] shunted contacts	SIM EZ 2B22 P *
		8 contacts size 16 [1x3] + [1x2] shunted contacts	SIM EZ 0816 P *



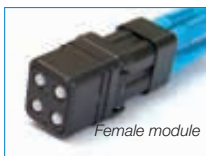
LUXCIS® and AMPHELUX® (ARINC 801)

Module standard : ENxxxx in progress

Contact standard : EN4639-10x

Amphelux® et Luxcis® modules	
Male	Female
SIM * O 06LU P *	SIM * O 06LU S *
Peripheral sealing E : Sealed M : Not Sealed	
Polarization	

Technical Data	Multimode (PC)	Singlemode (UPC)	Singlemode (APC)
IL	0,10 dB typical	0,15 dB typical	0,20 dB typical
IL deviation	0,07 dB	0,10 dB	0,12 dB
RL	> 20 dB	> 50 dB	> 60 dB
VRT	-65 to +125°C		
Module endurance	500 full mating/unmating cycles		/



ELIO®

Module standard : EN4701

Contact standard : EN4531-101

Contacts are inserted / extracted by quarter-turn thanks to a specific tool – PN: 006101 009 00.

Elio® modules	
Male	Female
SIM * O 04EL P *	SIM * O 04EL S *
Polarization	

Technical Data	Multimode (PC)
IL	0,30 dB
IL deviation	0,20 dB
RL	> 30 dB
VRT	-65 to +125°C
Module endurance	500 full mating/unmating cycles



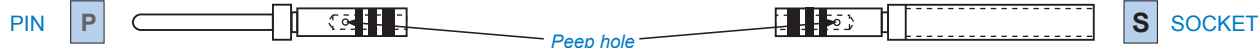
MODULE for MPO/MTP CONNECTOR

Module standard : IEC61754-7

SIM modules for MPO® connectors	
SIM * O MPO **	
Type	Polarization
P : Male module	S : Female module

Technical Data	Multimode	Singlemode
Number of optical ways	12	8
IL	0,20 dB typical	0,25 dB typical
IL deviation	0,40 dB	0,50 dB
RL	> 20 dB	> 60 dB
VRT	-65 to +125°C	

CRIMPED CONTACTS



CONTACTS					CABLE			CRIMPING TOOLING		INSERTION EXTRACTION TOOLS
EN 3155 spec.	Others spec.	P/N	Type	Size	AWG	Sections mm ²	Sheath dia. mm (inch)	Crimping tool	Locator	
IN PROGRESS	BACC47HB1	001704 001 02	S	23	26-24-22	0,38 - 0,14	0,71 - 1,20 (.028 - .047)	M22520/2-01	K1461 (Daniels)	001112 010 25
	BACC47HA1	001714 001 02	P							
/	SAE-AS39029 / 57-354	001704 100 02	S	22	26-24-22	0,38 - 0,14	0,71 - 1,37 (.028 - .054)	M 22520/2-01 M 22520/7-01	M 22520/2-06 M 22520/7-06	M 81969 / 14-01 001112 100 25
003 F 2222	/	001704 100 50								
/	SAE-AS39029 / 58-360	001714 100 02	P							
008 M 2222	/	001714 100 50								
/	SAE-AS39029 / 57-357	001704 203 02	S	20	24-22-20	0,21 - 0,60	1,01 - 2,10 (.039 - .082)	M 22520/1-01 M 22520/2-01 M 22520/7-01	M 22520/1-04 M 22520/2-10 M 22520/7-08	M 81969 / 14-10 001112 250 25
003 F 2020	/	001704 203 50								
/	SAE-AS39029 / 58-363	001714 203 02	P							
008 M 2020	/	001714 203 50								
/	SAE-AS39029 / 57-358	001704 301 02	S	16	20-18-16	0,30 - 1,34	1,31 - 2,62 (.051 - .103)	M 22520/1-01 M 22520/7-01	M 22520/1-04 M 22520/7-04	M 81969/14-03 001112 300 25
003 F 1616	/	001704 301 50								
/	SAE-AS39029 / 58-364	001714 301 02	P							
008 M 1616	/	001714 301 50								
/	SAE-AS39029 / 57-359	001704 400 02	S	12	14-12	1,91 - 3,18	1,93 - 3,70 (.074 - .145)	M22520/1-01	M22520/1-04	M 81969/14-04 001112 400 25
003 F 1212	/	001704 400 50								
/	SAE-AS39029 / 58-365	001714 400 02	P							
008 M 1212	/	001714 400 50								
/	SAE-AS39029 / 78-432	001704 500 02	S	micro coax 16	MIL 17/113 KX 22 RG 316	int : M 22520/2-01 ext : M 22520/4-01	int : M 22520/2-35 ext : M 22520/4-02	M 81969 / 14-03 001112 300 25		
/	SAE-AS39029 / 76-424	001714 500 02							P	
066 F 0808 A	/	001704 700 02	S	8 ⁽¹⁾	10-8	5,3 - 8,98	3,8 - 5,15 (.149 - .202)	M300 BT	SP593	Extract. only M 81969/14-06 001112 700 25
065 M 0808 A	/	001714 700 02	P							
013 F 08	SAE-AS39029 / 91-530	001704 701 02	S	8 twinax concentric	M17/176-00002	ctr : M 22520/2-01 int : M 22520/5-01 ext : M 22520/5-01	ctr : K709 int : Y631-mors B ext : Y631-mors A			
012 M 08	SAE-AS39029 / 90-529	001714 701 02	P							
/	/	001704 709 02	S	8 twinax differential	TENSOLITE 24463/9PO25X-2 (LT) or equivalent	int : M 22520/2-01 ext : M 22520/5-01	int : K709 ext : M 22520/5-45			
/	/	001714 709 02						P		
073 F 08	ABS 0974 F 08A	001704 711 02 ⁽²⁾	S	8 quadrax	ABS 0972-KB24 ABS 1503-KD24	int : M 22520/2-01 ext : M 22520/5-01	int : K709 ext : M 22520/5-45			
072 M 08	ABS 0973 M 08A	001714 711 02 ⁽²⁾	P							
075 F 08	ABS 1503-KD24	001704 705 02	S							
074 M 08		001714 705 02	P							
/	ASNE 0825 LW0800	001704 780 03	S	8 80A	8	8,98	5,2 - 5,6 (.205 to .22)	M22520/23-01 +.../23-02 414 DA8N die set	4664-2	
/	ASNE 0824	001714 780 03	P					M22520/23 + 414DA8N die set	4664-1	
/	SAE-AS39029 / 63-368	001704 201 02	S	20	24-22-20	0,21 - 0,60	0,85 - 1,73 (.033 - .068)	M 22520/2-01	M 22520/2-08	M 81969/39-01 001112 210 25
015 F 2020	/	001704 201 50								
/	SAE-AS39029 / 64-369	001714 201 02								
014 M 2020	/	001714 201 50	P							
015 F 2018	ASNE 0396 DV 2001	001704 202 02			S					
014 M 2018	ASNE 0395 FV 2001	001714 202 02	P		24-22 20-18	0,25 - 1				

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