

SIM REVERSED MODULE SIZE 23



High density module with reversed contacts offering enhanced pin protection.



Product in progress,
please consult us.

Aeronautic
Defense

PRESENTATION

Amphenol Air LB expands its range of SIM EN4165 modules with the SIM reversed module size 23 (gender is defined by the gender of the contacts).

MAIN CHARACTERISTICS

- Reversed design ensuring a better protection of pin contacts.
- Secured design ensuring blind mating.

-> Robustness

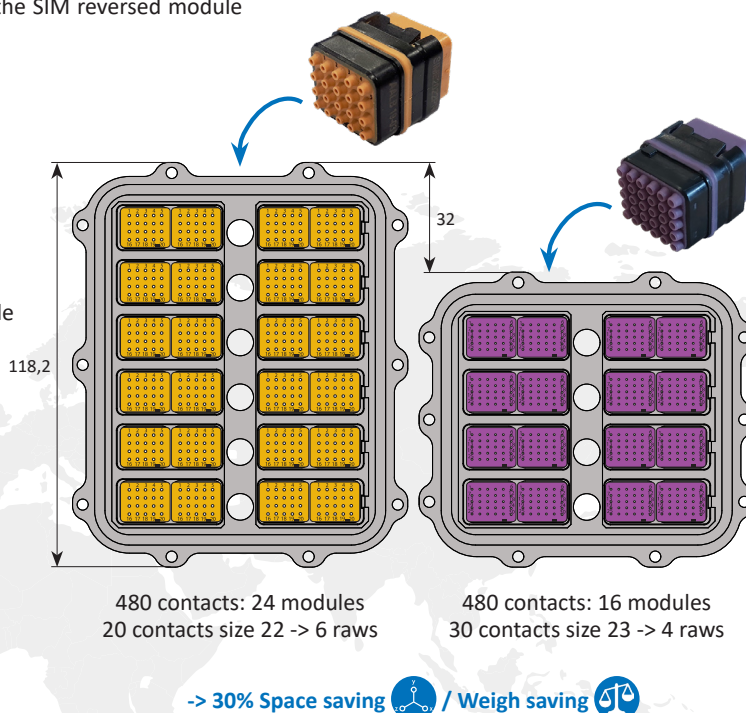
- 50% higher contacts density than existing 20 contacts size 22 module with the same level of performance.

-> High density

- Module suited for all serie II EN4165 / SIM connectors range.

APPLICATIONS

- In-flight entertainment and cabin systems
- High-speed internet access
- Lighting and window dimming
- Power distribution and control
- Electrical wiring and interconnect systems



TECHNICAL CHARACTERISTICS

MATERIAL

Modules : Thermoplastic and fluorosilicone
Contacts : Gold-plated copper alloy

CLIMATIC

Operating temperature : -55°C to +175°C

ELECTRICAL

Withstanding voltage : 1300 V eff. 50 Hz at sea level
Insulation resistance : > 5000 MΩ
Max current rating : Size 23 : 5 A
Conductor range : 26, 24 and 22 AWG

Your partner for high performance connectors and attachment systems



Amphenol Air LB
Your Satisfaction. Everyday. Everywhere.



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PART NUMBERING SYSTEM

MODULES FOR CRIMPED CONTACTS

MODULE		SIM * 30R23 * * *
Without peripheral sealing	M	
With peripheral sealing	E	
CONTACTS		
Pin	P	
Socket	S	
POLARIZATION		
Polarization N, A to F	N, A, B, C, D, E, F	
OPTIONS		
Supplied without contact	Nothing	
Supplied with crimped contacts ⁽¹⁾	C	

⁽¹⁾ Contacts EN3155 delivered by default.

⁽²⁾ Modules with angled PCB contacts are available with N polarization only.

MODULES WITH STRAIGHT/ANGLED PCB CONTACTS

Coming soon

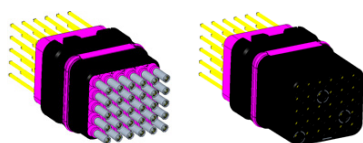
MODULE		SIM * 30R23 * * * *
Without peripheral sealing	M	
With peripheral sealing	E	
CONTACTS		
Pin	P	
Socket	S	
POLARIZATION		
Polarization N, A to F ⁽²⁾	N, A, B, C, D, E, F	
CONTACTS PLATING		
Tin-plated with Lead (Pb)	P	
Tin-plated without Lead (RoHS)	F	
Gold-plated (RoHS)	G	
PCB CONTACT TYPE / ORIENTATION		
Angled PCB cts, standard orientation (for SIM 2&4 modules)	BS	
Angled PCB cts, reversed orientation (for SIM monomodule)	BR	
Straight PCB contacts	Nothing	

TOOLS

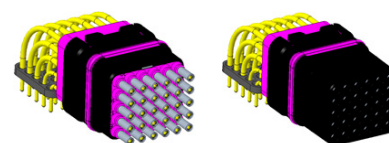
Crimping tool	: M22520/2-01
Locator	: M22520/2-09 (pin) M22520/2-06 (socket)
Contact insertion/extraction	: 001112 100 25
Module insertion	: 006101 006 00
Module extraction	: 006101 000 00

COMING SOON...

Modules with straight PCB contacts.



Modules with angled PCB contacts.



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