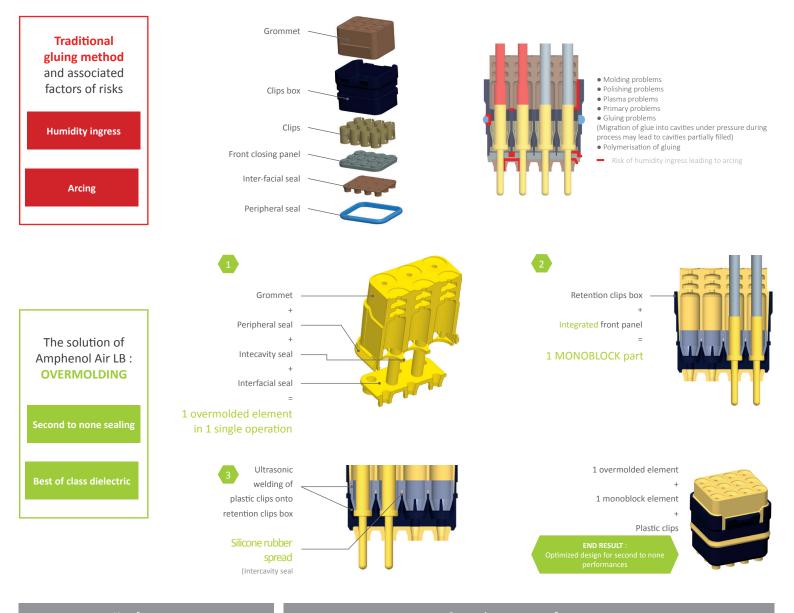
BONDING VS OVERMOLDING

Comparison of 2 generations of SIM series as an example

- Traditional concept requiring multiple operations of assembly
- Each step is a different process (plasma, primary, gluing, bonding, curing)
 Multiple causes for potential problems



Key features		Second to none performances
Full control of processesSimplified manufacturing processes		Most of risks associated to production such as molding, polishing, plasma, primary, gluing, compression and curring become non existent
1 monobloc element		No risk of disbonding under mechanical stressPossible cavity fill during gluing process becomes irrelevant
1 ■ overmolded process	 No weak point No layers of glue No creepage No added-after peripheral seal 	 No risk of cavity humidity ingress No risk of arcing Optimum sealing of module inside connector shell Peripheral seal overmolded from inside/out : up to 75 cycles guaranteed
Silicon rubber spread		 No sealing problem between cavities : no creepage "Full material" overall performances : 1 shot overmolding Improved dielectric performances : 2 to 3 times superior to current standards
Use of sealing plugs optional		 Time saving during cable harness wiring Cost saving Quick implementation