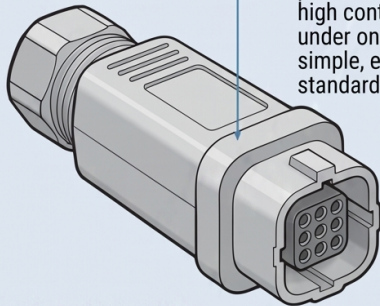


CHOOSING YOUR INDUSTRIAL CONNECTOR: MONOBLOC VS MODULAR



MONOBLOC: THE STANDARDISED SPECIALIST



TYPE: A single-insert connector providing power or signal, offering high contact density under one housing for simple, economical, and standardised systems.

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CONFIGURATION VS STANDARDISATION



Monobloc properties are fixed and cannot be reconfigured.

VS

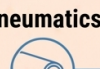
MODULAR: THE MULTI-PURPOSE SOLUTION



Data



Power



Pneumatics



Fibre Optics

TYPE: A tailorable system allowing the combination of over 100 modules (data, signal, power, pneumatics, and fibre optics) into a single frame and housing.

CONFIGURATION VS STANDARDISATION



Modular systems are future-proof, allowing for easy extensions and unique media combinations.

ESSENTIAL SELECTION CRITERIA



ELECTRICAL REQUIREMENTS

- Selection depends on the pole number (counting PE/Protective Contacts separately).
- Rated current (carrying capacity).
- Rated voltage.



MECHANICAL SPECIFICATIONS

- Connectors must be dimensioned for the specific conductor cross-section.
- Chosen termination method (crimp, screw, or axial screw).



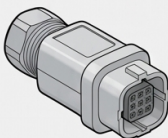
CABLE ENTRY & GLANDS

- A matching cable gland (Metric or Pg size) is required to ensure a tight seal and proper strain relief for the cable.



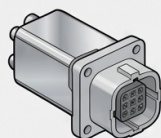
HOODS, HOUSINGS & EMC

PLASTIC VS METAL HOUSINGS



Plastic

Corrosion resistance & weight reduction.



Metal

(Die-cast aluminium)
Robust mechanical protection.

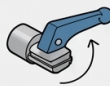
LOCKING SYSTEMS



Ergonomic locking levers (single/double).



Screw locking for high-stress environments.



90-degree toggle/bayonet systems.

ELECTRO-MAGNETIC COMPATIBILITY (EMC)



For environments requiring high shielding, specialised EMC housings use labyrinth structures and overlapping contacts to maintain signal integrity.

INGRESS PROTECTION (IP)

Sealings (profile or flange gaskets) determine the IP rating, protecting the interior from foreign matter and moisture.



THE HAN CONFIGURATOR TOOL



DIGITAL CONNECTOR DESIGN

Users enter required voltage, current, and contact counts into the free online tool to receive a viable connector solution from thousands of products.



SMART DESIGN ASSISTANCE

The tool acts as a smart assistant, preventing the design of non-viable connectors and providing interactive 3D models.



COMPREHENSIVE DOCUMENTATION

Instantly download CAD models, technical drawings, data sheets, and Bills of Materials (BoM) for the entire assembly.