

VALUE PROPOSITION

Industrial plugs and sockets

For food & beverage industries



ABB has extensive experience designing and producing industrial plugs and sockets. High functionality, reliability and safety are aspects highly valued by our customers. The high quality and robust design makes ABB's industrial plugs and sockets ideal for heavy-duty applications, providing a low total cost of ownership.



Safe and reliable design

The plastic material we use for the housings is probably the best material used for these kind products when it comes to chemical resistance. It also shows a remarkable combination of valuable properties, such as flammability rating, resistance to UV and humidity and resistance to impact. The very robust design and thick walls of the housings makes it ideal for rough handling and heavy duty applications.



IP69 tested

The connectors and sockets from our Tough & Safe range and the heavy duty mechanical interlocks from the Critical & Safe range has been tested by third party for IP69, they fulfill the IP69 requirements both as stand-alone and while mated with our Tough & Safe plugs or inlets. IP69 (used to be called IP69K) means that the products withstands close-range high pressure, high temperature spray downs. IP69 is a common requirement in this kind of applications but there are very few manufacturers of industrial plugs and sockets who can offer products that fulfill this.



NSF certified devices

NSF's restaurant standards and certification programs lead the market in technical expertise, credibility, and acceptance worldwide. When it comes to health codes, federal, state, and local regulations now are often set based on current NSF standards. NSF certified foodservice products means:

- ABB products uses only FDA approved raw materials
- Products passed numerous NSF testing for material safety, design, construction, and product performance
- A guarantee that harmful chemicals won't seep into and contaminate the food of your customers
- Products are commercial dishwasher safe and will not likely harbor bacteria



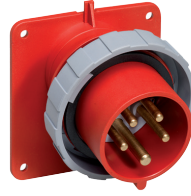
Local certifications

As well as using the international clock system (IEC 60309-1-2), ABB's devices are certified according to local regulations

- UL508, UL98, UL231, UL489, UL1682, UL1686
- CSA C22.2 No.14 / CSA C22.2 No.182.1

Tough & Safe product range

Tough & Safe range includes Plugs, Connectors, Socket inlets and socket outlets



Plugs

Type P...W
20...100A, IP67 / IP69

Type P...WN
20...100A, IP67 / IP69, NSF

Connectors

Type C...W
20...100A, IP67 / IP69

Type C...WN
20...100A, IP67 / IP69, NSF

Socket inlets

For panel mounting with angled flange, Type B...W
20...100 A, IP67 / IP69

For panel mounting with angled flange, Type B...WN
20...100 A, IP67 / IP69, NSF

Socket outlet

For panel mounting with unified angled flange, Type R...W
20...100 A, IP67 / IP69

For wall mounting with unified angled flange, Type R...WN
20...60 A, IP67 / IP69, NSF

For panel mounting with unified angled flange, Type R...WN
100 A, IP67 / IP69, NSF

Critical & Safe product range

Critical & Safe range includes Fused, non-fused and breakered switched interlock outlets



Unfused interlock

Unfused Type MI...W
20 A...100A, IP67 / IP69

Unfused Type MI...WN
20 A...100A, IP67 / IP69, NSF

Fused interlock

Fused, Type MF...W
20A...60A, IP67 / IP69

Breakered interlock

Breakered Type MB...W,
100A, IP67 / IP69

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