ABB’s industrial plugs and sockets are a part of the comprehensive ABB program of high quality low voltages products for industries, buildings and OEM’s.

ABB has manufactured industrial plugs and sockets for over 60 years. Long experience of developing and manufacturing plugs and sockets within ABB has resulted in a wide product range of high quality and a robust ergonomic design. Covering products up to 100 A and 600 VAC, tested and approved according to IEC and UL/CSA standards.

The design and material used have continuously been improved to meet the customer’s requirements, and to take the environmental aspects into consideration. ABB’s industrial plugs and sockets have the solution for products in industrial environments with high demands on safety, durability, reliability and cost saving for the end user.

You will find all you need in ABB’s industrial plugs and sockets product range. One supplier for all your needs and worldwide availability.
Tough & Safe is the range for applications in environments that have high demand of functionality and safety. The robust housing is made of PBT plastic. The range Tough & Safe is available as watertight IP43 and IP66 from 16 to 125A. The devices are equipped with internal and external cable clamps. The 60 to 125A devices are equipped with two screws on each terminal.

Features
- UL1682, 1686 / CSA C22.2 No. 182.1
- IEC 60 309-1, -2
- IP67 & IP69K Watertight
- 20-100 A, 50-600 VAC
- All external screws are made of stainless steel.

Application examples
- Industry/workshops
- Harbours/shipyards, Trainyards
- Mines
- Food & beverage

Critical & Safe is the range of mechanical interlocks for applications with high demands on safety, durability and performance. Perfect for applications with frequent connection/disconnection, and to use in public areas. The housing is made of thermoplastic polyester (PBT) grade Valox® material which is a tough plastic that withstands heavy-duty usage and most chemicals found in industrial environments.

Features
- UL508, 98 (switched), UL231, 489 (breakered), UL1682, 1686
- CSA C22.2 No.14, 182.1
- IEC 60 309-2, -4
- IP67 & IP69K Watertight
- 20-100 A, 50-600 VAC
- All external screws are made of stainless steel.

Application examples
- Heavy/chemical industry
- Sawmills
- Airports
- Hospitals

Industrial Plugs & Sockets
IC 60-309-2 International clock

Standard voltages

<table>
<thead>
<tr>
<th>Phase</th>
<th>Phase</th>
<th>Neutral</th>
<th>Ground</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>L1</td>
<td>N</td>
<td>G</td>
</tr>
<tr>
<td>2</td>
<td>L2</td>
<td>N</td>
<td>G</td>
</tr>
<tr>
<td>3</td>
<td>L3</td>
<td>N</td>
<td>G</td>
</tr>
</tbody>
</table>

Color codes according to IEC60309-1, -2


<table>
<thead>
<tr>
<th>Symbol</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>L1</td>
<td>Phase 1</td>
</tr>
<tr>
<td>L2</td>
<td>Phase 2</td>
</tr>
<tr>
<td>L3</td>
<td>Phase 3</td>
</tr>
<tr>
<td>N</td>
<td>Neutral</td>
</tr>
<tr>
<td>G</td>
<td>Ground</td>
</tr>
</tbody>
</table>

Robust plastic housing that withstands most chemicals found in industrial environments.

Features
- Internal and external cable clamp
- Watertight chloroprene onion skin grommet
- All external screws made of stainless steel
- Robust hinge mechanism pivots >120° for easy access during installation and maintenance
- Material that withstands heavy-duty usage and most chemicals found in industrial environments
- Space for wiring and easy access for cables
- Padlockable handle
- Fused, Switched or breakered disconnection available
- Touch terminal marking, inside and outside the box

Clear marking, at the front and the rear of the terminals

Ground → Neutral → Phase L1, L2, L3

Application examples
- Industry/workshops
- Harbours/shipyards, Trainyards
- Mines
- Food & beverage

Tough & Safe is the range for applications in environments that have high demand of functionality and safety. The robust housing is made of PBT plastic. The range Tough & Safe is available as watertight IP43 and IP66 from 16 to 125A. The devices are equipped with internal and external cable clamps. The 60 to 125A devices are equipped with two screws on each terminal.

Features
- UL1682, 1686 / CSA C22.2 No. 182.1
- IEC 60 309-1, -2
- IP43 & IP66 Waterlight 20-125A, 20-400 VAC
- All external screws are made of stainless steel.

Application examples
- Industry/workshops
- Harbours/shipyards, Trainyards
- Mines
- Food & beverage

IEC 60-309-2 International clock

Clear marking, at the front and the rear of the terminals

Ground → Neutral → Phase L1, L2, L3

Application examples
- Industry/workshops
- Harbours/shipyards, Trainyards
- Mines
- Food & beverage

Valox is a registered trademark of SABIC.