

# Industrial Plugs & Sockets

## A perfect choice



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.

## Contact us

**ABB Inc.**  
**Low Voltage Products**  
2117 – 32nd Avenue  
Lachine, QC, CANADA H8T 3J1  
Phone: 514-420-3100  
Fax: 514-420-3137  
Toll Free: 1-800-567-0283  
lvp.support@ca.abb.com

You can find the address of your local sales organization on the ABB home page  
<http://www.abb.com/contacts>  
-> Low Voltage Products and Systems

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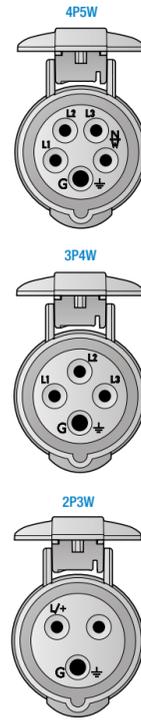
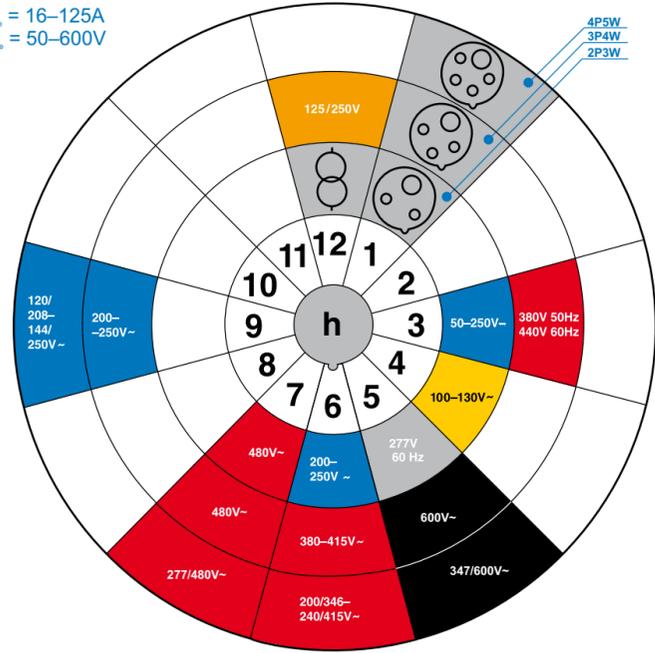


## ABB Industrial Plugs & Sockets UL / CSA Range

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## IEC 60-309-2 International clock

$I_n = 16-125A$   
 $U_n = 50-600V$



### Standard voltages

Color codes according to IEC60309-1, -2

Position of earthing sleeve according to IEC 60309-2 (clock)	2P3W	3P4W	4P5W
1	Optional voltage (not stated below)	Optional voltage (not stated below)	Optional voltage (not stated below)
3	50...250Vdc	380V 50 Hz to 440V 60 Hz	
4	100...130V 50/60 Hz		
5	277V 60 Hz	600V 50/60 Hz	347/600V 50/60 Hz
6	200...250V 50/60 Hz	380...415V 50/60 Hz	200/436...240/415V 50/60 Hz
7	480V 50/60 Hz	480V 50/60 Hz	277/480V 50/60Hz
9		200...250V 50/60 Hz	120/208...144/250V 50/60Hz
12	Supply from isolating transformer	125/250V	

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## Tough & Safe

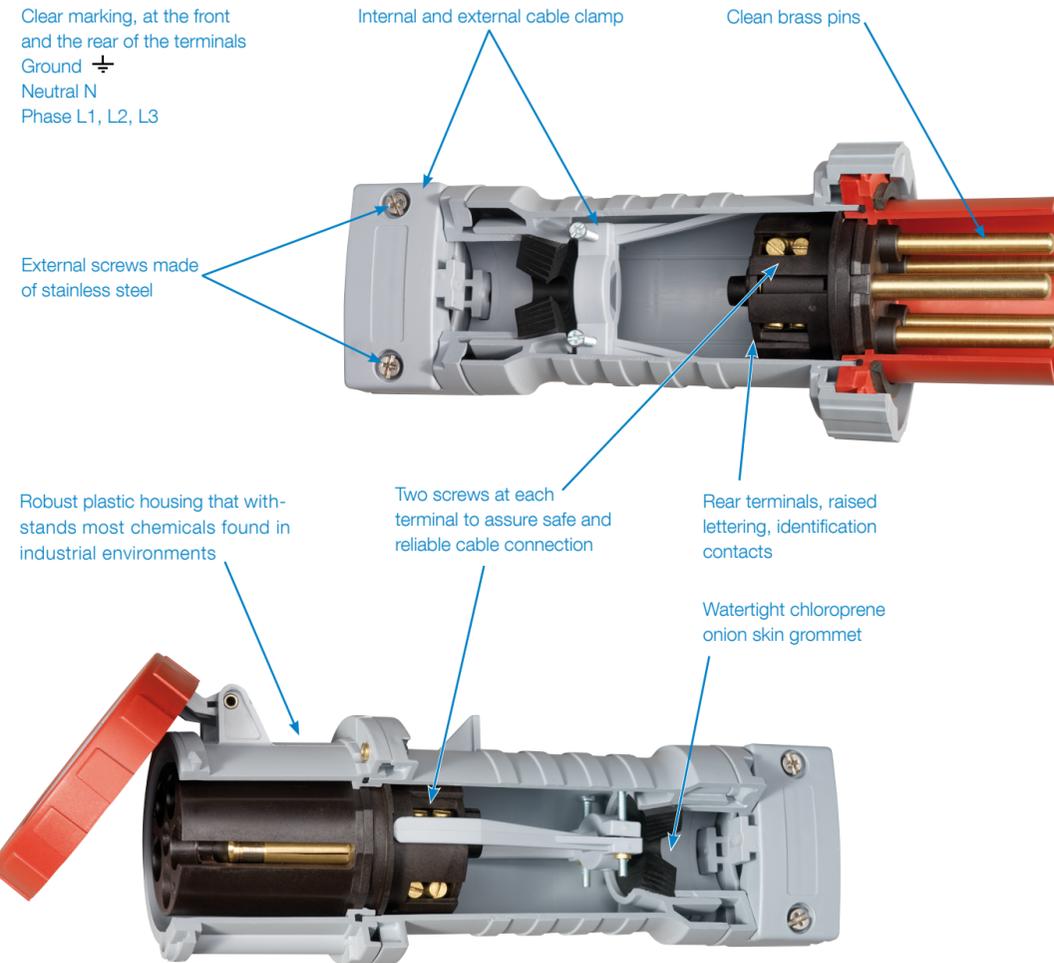
Tough & Safe is the range for applications in environments that have high demand of functionality and safety. The robust housing is made of PBT plastic. The range Tough & Safe is available as watertight IP67 and IP69K from 16 to 125 A). The devices are equipped with internal and external cable clamps. The 60 to 125 A 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



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## Critical & Safe

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® 357 material which is a tough plastic that withstand heavy-duty usage and most chemicals found in industrial environments.

### Features

- UL508, 98 (switched), UL231, 489 (breaker), 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

Valox is a registered trademark of SABIC.

