

# IEC309 Series

## Industrial plugs and sockets

No. REFERENCE SERIES			
<b>210</b>	<b>310</b>	<b>415</b>	<b>515</b>
<b>215</b>	<b>315</b>		
<b>245</b>			
<b>246</b>			



### VERSIONS

	Plugs and connectors		Angled panel mounting socket outlets
	Appliance inlets		Panel mounting socket outlets angled box
	Panel mounting appliance inlets		

### REFERENCE STANDARDS

Standards: **EN 60309-1 (1999)**  
**EN 60309-2 (1999)**

### MARKING

Marking: **CE Marking** 

### QUALITY MARKS



### TECHNICAL CHARACTERISTICS

Rated current: **16A-32A-63A-125A**  
 Rated voltage: **100÷690V~**  
 Frequency: **c.c. - 50÷500Hz**  
 Insulating voltage: **500/690V~**  
 Protection degree: **IP44-IP67**  
 Operating temperature according to the reference standard: **-25°C+40°C**  
 Max operating temperature: **60°C**  
 Glow Wire test: **650°C/850°C**  
 Material: **Engineering plastic**  
 IK degree at 20°C: **IK08**  
 Cable inlets: **Cable sleeve IP44**  
**Cable gland IP67**

### ACCESSORIES

Cover for IP44 and IP67 plugs



Empty surface mounting boxes



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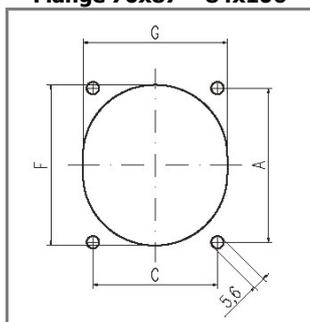
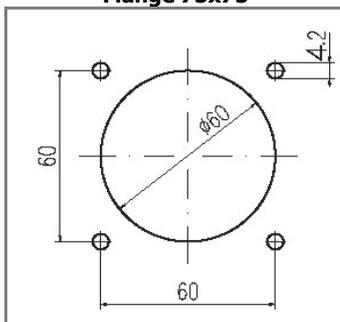
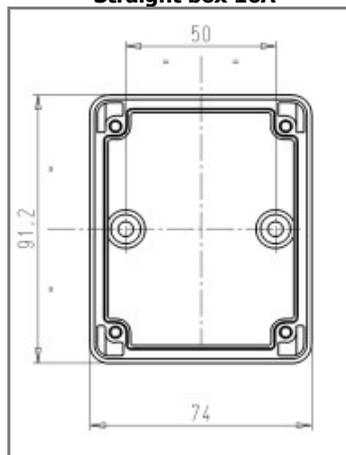
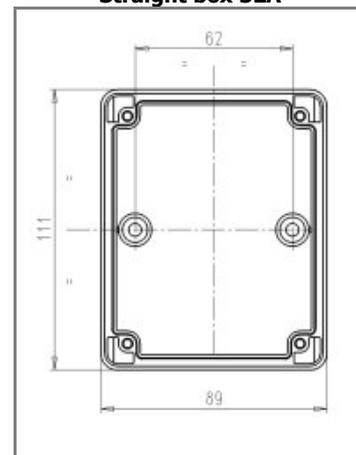
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**CABLING OPERATIONS**
**Cabling capacity of the terminals (mm<sup>2</sup>)**

Rated voltage	Rated current (A)	Plugs, connectors and appliance inlets		Socket outlets	
		Min	Max	Min	Max
Over 50V	16A	1	2,5	1,5	4
	32A	2,5	6	2,5	10
	63A	6	16	6	25
	125A	16	50	25	70

**Max. cable size accepted by the cable clamp:**

Rated current (A)	Outside Ø mm	
	Min	Max
16A	8	15
32A	11,5	21
63A	7	31
125A	26	48

**DIMENSIONS**
**Flange 70x87 – 84x106**

**Flange 75x75**

**Straight box 16A**

**Straight box 32A**


		<b>C</b>	<b>D</b>
16A	2P+E	56	70
	3P+E	56	70
	3P+N+E	56	70
32A	2P+E	68	84
	3P+E	68	84
	3P+N+E	68	84

**BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS**

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
<b>RESISTANT</b>	<b>LIMITED RESISTANCE</b>	<b>RESISTANT</b>	<b>RESISTANT</b>	<b>RESISTANT</b>	<b>LIMITED RESISTANCE</b>	<b>LIMITED RESISTANCE</b>	<b>RESISTANT</b>	<b>RESISTANT</b>	<b>RESISTANT</b>	<b>RESISTANT</b>