

# Industrial plugs and sockets

## Extra low voltage

### Plugs



Type PLV...  
16 A...32 A, IP44



Type PLV...W  
16 A...32 A, IP67



Type CLV...  
16 A...32 A, IP44



Type CLV...W  
16 A...32 A, IP67

### Socket outlet



For panel mounting with straight  
flange, Type RLV...  
16 A...32 A, IP44



For surface mounting, Type BSLV...  
16 A...32 A, IP44



For surface mounting, Type RSLV...  
16 A...32 A, IP44

### Inlets



# Industrial plugs and sockets

## Extra low voltage

Our extra low voltage range offers Industrial plugs & sockets for protection in areas with a high risk like swimming pools, wandering-lead hand lamps, and other portable appliances for outdoor use. Therefore our range includes products of IP44 and IP67.

Our range of Industrial plugs and sockets for extra low voltage covers voltages up to 50V AC or DC and fulfills IEC 60309.

Extra low voltage is one way to protect from electrical shock. Extra-low voltage is used where the risks are high: swimming pools, wandering-lead hand lamps, and other portable appliances for outdoor use, etc.

The plugs and sockets are intended for an operating voltage not exceeding 50 V. Their rated voltage is 24 V and 50 V for 16 A and 32 A.

### Standards

The products are designed according to the following standards: IEC 60 309-1, 60 309-2.

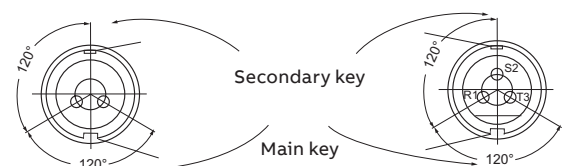
### Connections

Screw type terminals.

### Non-interchangeability

To achieve non-interchangeability, the plugs and sockets have a main key and a secondary key. The position of the secondary key is indicated by a number followed by a letter h (the hour position or o'clock position). The number is determined by the position of the secondary key relative to the main key, the position of which is defined as 6 o'clock. Non hour position is given for 20-25 V, 50-60 Hz, since there is no secondary key on these plugs and sockets.

The width of the key is different for 16 A and 32 A plugs and sockets. In addition, there is a color coding system: the cover or front part is violet on 20-25 V and white on 40-50 V plugs and sockets. Plugs and sockets for direct current are grey.



Positions and connections of the contact

Table according to IEC 60309-2  
Plugs and sockets for max. 50 V.

Terminals/ Poles	Color code	Voltage		Frequency		Position of secondary key <sup>1)</sup>	
		V	Hz	Hz			
2	Violet	20-25	50-60	50-60		(none)	
	White	40-50	50-60	50-60		12 h	
	Green	20-25 and 40-50	100-200	300	100-200	300	4 h
			300	400	300	400	2 h
			>400-500	400	>400-500	400	3 h
Grey		DC			10 h		
3	Violet	20-25	50-60	50-60		(none)	
	White	40-50	50-60	50-60		12 h	
	Green	20-25 and 40-50	100-200	300	100-200	300	4 h
			300	400	300	400	2 h
			>400-500	400	>400-500	400	3 h
		>400-500		>400-500		11 h	

1) The position of main key is defined as 6h (6 o'clock)

## Plugs

For extra low voltage



PLV216

### 16 A. IP44. Splashproof

Housing in plastic (PA). Cable entry with compression gland.

Terminals/ Poles	Color code	Voltage	Frequency	Type	Order Code	Pkg qty	Weight
		V	Hz				pkg (1pce) kg
2	■ Violet	20...25 AC	50 and 60	PLV216	2CMA100877R1000	10	0.142
	■ Grey	25 and 50 DC	-	PLV216-10	2CMA100879R1000		
	□ White	40...50 AC	50 and 60	PLV216-12	2CMA100878R1000		
3	■ Violet	20...25 AC	50 and 60	PLV316	2CMA100888R1000	10	0.160
	■ Green	25 and 50 DC	100...200	PLV316-4	2CMA100882R1000		
	□ White	40...50 AC	50 and 60	PLV316-12	2CMA100881R1000		

### 32 A. IP44. Splashproof

Housing in plastic (PA). Cable entry with compression gland.

2	■ Violet	20...25 AC	50 and 60	PLV232	2CMA100883R1000	10	0.142
	■ Grey	25 and 50 DC	-	PLV232-10	2CMA100885R1000		
	□ White	40...50 AC	50 and 60	PLV232-12	2CMA100884R1000		
3	■ Violet	20...25 AC	50 and 60	PLV332	2CMA100886R1000	10	0.160
	■ Green	25 and 50 DC	100...200	PLV332-4	2CMA100888R1000		
	□ White	40...50 AC	50 and 60	PLV332-12	2CMA100887R1000		



PLV216W

### 16 A. IP67. Watertight

Housing in plastic (PA). Cable entry with compression gland.

Terminals/ Poles	Color code	Voltage	Frequency	Type	Order Code	Pkg qty	Weight
		V	Hz				pkg (1pce) kg
2	■ Violet	20...25 AC	50 and 60	PLV216W	2CMA100889R1000	10	0.164
	■ Grey	25 and 50 DC	-	PLV216-10W	2CMA100891R1000		
	□ White	40...50 AC	50 and 60	PLV216-12W	2CMA100890R1000		
3	■ Violet	20...25 AC	50 and 60	PLV316W	2CMA100892R1000	10	0.182
	■ Green	25 and 50 DC	100...200	PLV316-4W	2CMA100894R1000		
	□ White	40...50 AC	50 and 60	PLV316-12W	2CMA100893R1000		

### 32 A. IP67. Watertight

Housing in plastic (PA). Cable entry with compression gland.

2	■ Violet	20...25 AC	50 and 60	PLV232W	2CMA100895R1000	10	0.164
	■ Grey	25 and 50 DC	-	PLV232-10W	2CMA100897R1000		
	□ White	40...50 AC	50 and 60	PLV232-12W	2CMA100896R1000		
3	■ Violet	20...25 AC	50 and 60	PLV332W	2CMA100898R1000	10	0.182
	■ Green	25 and 50 DC	100...200	PLV332-4W	2CMA100900R1000		
	□ White	40...50 AC	50 and 60	PLV332-12W	2CMA100899R1000		

## Connectors

For extra low voltage



CLV216

### 16 A. IP44. Splashproof

Housing in plastic (PA). Cable entry with compression gland.

Terminals/ Poles	Color code	Voltage	Frequency	Type	Order Code	Pkg qty	Weight
		V	Hz				pkg (1pce) kg
2	■ Violet	20...25 AC	50 and 60	CLV216	2CMA100901R1000	10	0.177
	■ Grey	25 and 50 DC	-	CLV216-10	2CMA100903R1000		
	□ White	40...50 AC	50 and 60	CLV216-12	2CMA100902R1000		
3	■ Violet	20...25 AC	50 and 60	CLV316	2CMA100904R1000	10	0.198
	■ Green	25 and 50 DC	100...200	CLV316-4	2CMA100906R1000		
	□ White	40...50 AC	50 and 60	CLV316-12	2CMA100905R1000		

### 32 A. IP44. Splashproof

Housing in plastic (PA). Cable entry with compression gland.

2	■ Violet	20...25 AC	50 and 60	CLV232	2CMA100907R1000	10	0.178
	■ Grey	25 and 50 DC	-	CLV232-10	2CMA100909R1000		
	□ White	40...50 AC	50 and 60	CLV232-12	2CMA100908R1000		
3	■ Violet	20...25 AC	50 and 60	CLV332	2CMA100910R1000	10	0.198
	■ Green	25 and 50 DC	100...200	CLV332-4	2CMA100912R1000		
	□ White	40...50 AC	50 and 60	CLV332-12	2CMA100911R1000		



CLV216W

### 16 A. IP67. Watertight

Housing in plastic (PA). Cable entry with compression gland.

Terminals/ Poles	Color code	Voltage	Frequency	Type	Order Code	Pkg qty	Weight
		V	Hz				pkg (1pce) kg
2	■ Violet	20...25 AC	50 and 60	CLV216W	2CMA100913R1000	10	0.199
	■ Grey	25 and 50 DC	-	CLV216-10W	2CMA100915R1000		
	□ White	40...50 AC	50 and 60	CLV216-12W	2CMA100914R1000		
3	■ Violet	20...25 AC	50 and 60	CLV316W	2CMA100916R1000	10	0.219
	■ Green	25 and 50 DC	100...200	CLV316-4W	2CMA100918R1000		
	□ White	40...50 AC	50 and 60	CLV316-12W	2CMA100917R1000		

### 32 A. IP67. Watertight

Housing in plastic (PA). Cable entry with compression gland.

2	■ Violet	20...25 AC	50 and 60	CLV232W	2CMA100919R1000	10	0.199
	■ Grey	25 and 50 DC	-	CLV232-10W	2CMA100921R1000		
	□ White	40...50 AC	50 and 60	CLV232-12W	2CMA100920R1000		
3	■ Violet	20...25 AC	50 and 60	CLV332W	2CMA100922R1000	10	0.219
	■ Green	25 and 50 DC	100...200	CLV332-4W	2CMA100924R1000		
	□ White	40...50 AC	50 and 60	CLV332-12W	2CMA100923R1000		

## Socket outlets

For extra low voltage



RLV216

**For panel mounting with straight flange. 16 A. IP44. Splashproof**  
Housing in plastic (PA).

Terminals/ Poles	Color code	Voltage	Frequency	Type	Order Code	Pkg qty	Weight
		V	Hz				pkg (1pce) kg
2	■ Violet	20...25 AC	50 and 60	RLV216	2CMA100973R1000	10	0.099
	■ Grey	25 and 50 DC	-	RLV216-10	2CMA100975R1000		
	□ White	40...50 AC	50 and 60	RLV216-12	2CMA100974R1000		
3	■ Violet	20...25 AC	50 and 60	RLV316	2CMA100976R1000	10	0.114
	■ Green	25 and 50 DC	100...200	RLV316-4	2CMA100978R1000		
	□ White	40...50 AC	50 and 60	RLV316-12	2CMA100977R1000		

**For panel mounting with straight flange. 32 A. IP44. Splashproof**  
Housing in plastic (PA).

2	■ Violet	20...25 AC	50 and 60	RLV232	2CMA100979R1000	10	0.099
	■ Grey	25 and 50 DC	-	RLV232-10	2CMA100981R1000		
	□ White	40...50 AC	50 and 60	RLV232-12	2CMA100980R1000		
3	■ Violet	20...25 AC	50 and 60	RLV332	2CMA100982R1000	10	0.114
	■ Green	25 and 50 DC	100...200	RLV332-4	2CMA100984R1000		
	□ White	40...50 AC	50 and 60	RLV332-12	2CMA100983R1000		



RSLV216

**For surface mounting 16 A. IP44. Splashproof**  
Housing in plastic (PA). Threaded cable entry M25

Terminals/ Poles	Color code	Voltage	Frequency	Type	Order Code	Pkg qty	Weight
		V	Hz				pkg (1pce) kg
2	■ Violet	20...25 AC	50 and 60	RSLV216	2CMA100985R1000	10	0.198
	■ Grey	25 and 50 DC	-	RSLV216-10	2CMA100987R1000		
	□ White	40...50 AC	50 and 60	RSLV216-12	2CMA100986R1000		
3	■ Violet	20...25 AC	50 and 60	RSLV316	2CMA100988R1000	10	0.215
	■ Green	25 and 50 DC	100...200	RSLV316-4	2CMA100990R1000		
	□ White	40...50 AC	50 and 60	RSLV316-12	2CMA100989R1000		

## Inlets

For extra low voltage



BSLV216

**For surface mounting. 16 A. IP44. Splashproof**  
Housing in plastic (PA). Threaded cable entry M25.

Terminals/ Poles	Color code	Voltage	Frequency	Type	Order Code	Pkg qty	Weight
		V	Hz				pkg (1pce) kg
2	■ Violet	20...25 AC	50 and 60	BSLV216	2CMA100991R1000	10	0.165
	■ Grey	25 and 50 DC	-	BSLV216-10	2CMA100993R1000		
	□ White	40...50 AC	50 and 60	BSLV216-12	2CMA100992R1000		
3	■ Violet	20...25 AC	50 and 60	BSLV316	2CMA100994R1000	10	0.180
	■ Green	25 and 50 DC	100...200	BSLV316-4	2CMA100996R1000		
	□ White	40...50 AC	50 and 60	BSLV316-12	2CMA100995R1000		