

#### Description

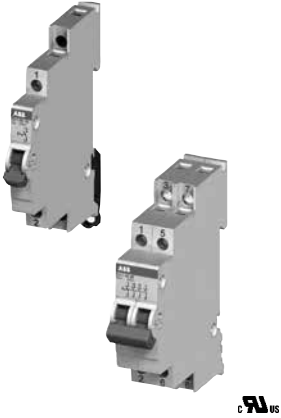
These devices are specifically made for commanding loads and signalling electrical conditions in any low-voltage switchboard. They are available in half module or 1 module, depending on the contact-layout. The devices with indicator lights are equipped with a LED, which grants an optimum illumination with very low consumption.

The functions of these devices are particularly switching, pushing and signalling electrical conditions in any installations (low-voltage area)

#### General new features

- Space-saving through 9mm modules
- All terminals equipped with Pozidrive 1 screws
- Safe connection due to cage-clamp
- LED with bright colors and available in three different voltage ranges
- Different lens and button colors
- Compliance to international standards

## E210 Switches

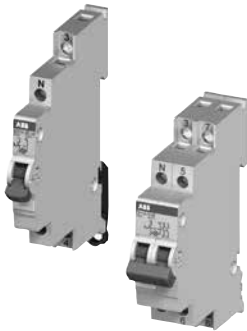


### E211-... ON-OFF switches

Contacts	Rated voltage	Power loss	Width	Catalog number
	VAC	W	mm	
Rated current = 16A				
1 NO	250	0.32	9	E211-16-10
2 NO	230/400	0.82	9	E211-16-20
3 NO	230/400	1.14	18	E211-16-30
4 NO	230/400	1.64	18	E211-16-40
Rated current = 25A				
1 NO	250	0.75	9	E211-25-10
2 NO	230/400	1.95	9	E211-25-20
3 NO	230/400	2.70	18	E211-25-30
4 NO	230/400	3.90	18	E211-25-40
Rated current = 32A				
1 NO	250	1.12	9	E211-32-10
2 NO	230/400	2.73	9	E211-32-20
3 NO	230/400	3.85	18	E211-32-30
4 NO	230/400	5.46	18	E211-32-40

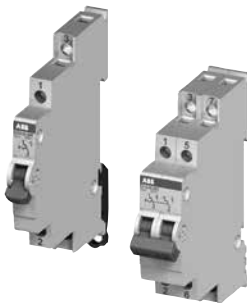
E211-... ON-OFF switch devices are used to switch indicators or other electrical components (like fan's, air-conditions, e.g.). The new On-Off switches distinguish themselves through simple handling, easy mounting and optimal functionality.

## E210 Switches



**E211X-... ON-OFF switches with yellow LED for contact indication**  
LED voltage 115-250 VAC

Contacts	Rated voltage	Power loss	LED color	Width	Catalog number
	VAC	W		mm	
Rated current = 16A					
1 NO	250	0.50	Yellow	9	E211X-16-10
2 NO	230/400	1.00	Yellow	18	E211X-16-20
3 NO	230/400	1.50	Yellow	18	E211X-16-30
Rated current = 25A					
1 NO	250	0.75	Yellow	9	E211X-25-10
2 NO	230/400	1.95	Yellow	18	E211X-25-20
3 NO	230/400	2.70	Yellow	18	E211X-25-30



**E213-... Change over switches**

Contacts	Rated voltage	Power loss	LED color	Width	Catalog number
	VAC	W		mm	
Rated current = 16A					
1 CO	250	0.32	—	9	E213-16-001
2 CO	250	0.82	—	18	E213-16-002
Rated current = 25A					
1 CO	250	0.40	—	9	E213-25-001
2 CO	250	0.88	—	18	E213-25-002

The new change-over switches distinguish themselves through simple handling, easy mounting and optimal functionality. Example applications include opening and closing of electrically operated flaps.



### Terminal assignment

#### ON / OFF switch



1 NO



2 NO

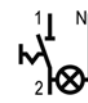


3 NO

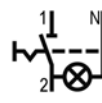


4 NO

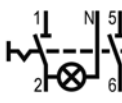
#### OFF switches with indicator lamps



1 NO



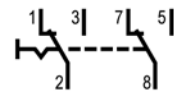
2 NO



3 NO



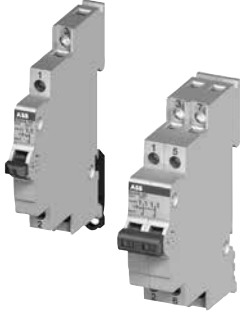
1 C/O



2 C/O

#### Change-over switches

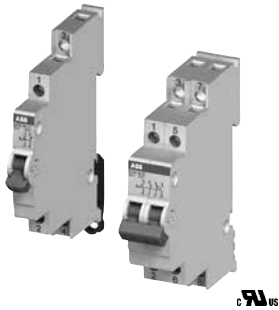
## E210 Switches



### E214-... Group switches (I-0-II, manual-OFF-automatic)

Contacts	Rated voltage	Power loss	Width	Catalog number
	VAC	W	mm	
Rated current = 16A				
1 CO	250	0.32	9	E214-16-101
2 CO	250	0.82	18	E214-16-202
Rated current = 25A				
1 CO	250	0.40	9	E214-25-101
2 CO	250	0.88	18	E214-25-202

The new Group switches can be used to control the main installation of an emergency supply. Such devices distinguish themselves through simple handling, easy mounting and optimal functionality.



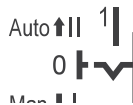
### E218-... Control switches

Contacts	Rated voltage	Power loss	Width	Catalog number
	VAC	W	mm	
Rated current = 16A				
1NO+1NC	250	0.50	9	E218-16-11
2NO+2NC	250	1.00	18	E218-16-22
3NO+1NC	250	1.50	18	E218-16-31
Rated current = 25A				
1NO+1NC	250	0.75	18	E218-25-11

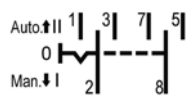
These devices can be used in distribution board for any control function. The new control switches distinguish themselves through simple handling, easy mounting and optimal functionality.

### Terminal assignment

#### Group switches

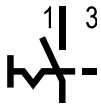


1-pole

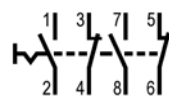


2-pole

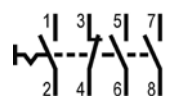
#### Control switches



1 NO + 1 NC



2 NO + 2 NC



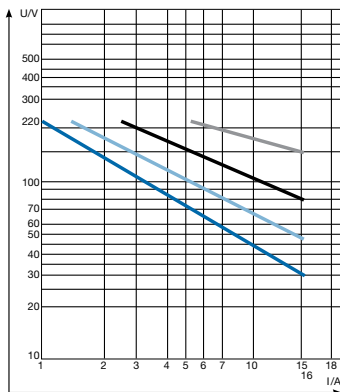
3 NO + 1 NC

# E210 Switches

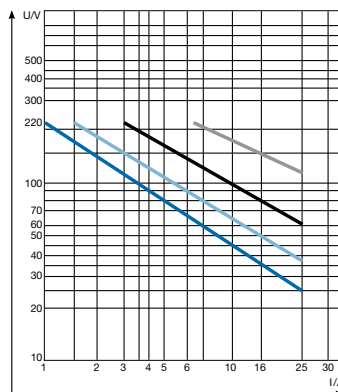
## Technical data

Switching capacity		according to EN 60669-1
Isolating properties		according to EN 60669-2-4; IEC/EN 60947-3
Utilization category		AC-22A; DC-22A acc. IEC/EN60947-3
Short-circuit withstand capacity[kA]		3
Rated voltage $U_n$	[V]	250/400 in accordance with EN 240 in accordance UL 508
Lowest operating voltage		24 V; 25 mA
Rated current $I_n$	[A]	16, 25, 32
LED current	[mA]	5
Rated frequency	[Hz]	50/60
Modules	[No]	0.5 or 1
Sealable		in ON and OFF position
Climatic resistance		according to IEC 60068-2-2 (Dry heat) IEC 60068-2-30 (Damp heat) IEC 60068-2-1 (Cold)
Ambient temperature	[°C/°F]	-25°C/-13°F to +55°C/+131°F
Storage temperature	[°C]	-40°C to +70°C
Connection capacity	[mm²]	from 1x1 mm² to 1x6 mm² or 2x2.5 mm² massive; Flexible up 1x0.75 mm² to 2x1.5 mm² with connector sleeve or pin end connector
Tightening torque	[Nm]	1.2 - 1.5
Positive opening		according to EN 60204-1
Standards		DIN EN 60669-1 *VDE 0632-1 DIN EN 60669-2-4 *VDE 0632-2-4 UL 508
Approvals		VDE, UL, GOST, CCC

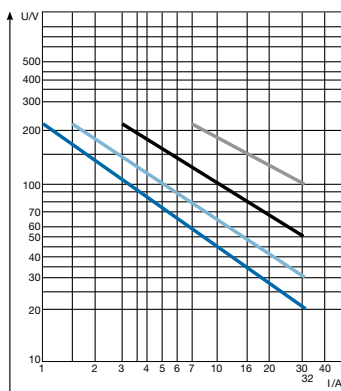
DC switching capacity E211 16A



DC switching capacity E211 25A



DC switching capacity E211 32A



Ohmic load  
— Normally-open contact  
— Normally-closed contact

Load with time constant  
 $t = 15\text{ms}$  (inductive load)  
— Normally-open contact  
— Normally-closed contact

## E210 Pushbuttons with and without LEDs



### Pushbuttons without and with LED

The new products are available in 9 mm widths (= 0.5 modules). The devices can be used in distribution boards and are all distinguished by their simple handling, ease of mounting and optimal functionality. The pushbuttons are used for remote control in all kinds of electrical installation (e.g. public, industrial). The range offers three different voltages. (Ranges: 12-48 V AC/DC; 115-250 V AC and 110-220 V DC).

#### E215-... Pushbuttons (6 different button colors)

Contacts	Rated voltage	Power loss	Button color	Width	Catalog number
	VAC	W		mm	
Rated current = 16A					
1NO+1NC	250	0.50	Grey	9	E215-16-11B
1NO+1NC	250	0.50	Red	9	E215-16-11C
1NO+1NC	250	0.50	Green	9	E215-16-11D
1NO+1NC	250	0.50	Yellow	9	E215-16-11E
1NO+1NC	250	0.50	Black	9	E215-16-11F
1NO+1NC	250	0.50	Blue	9	E215-16-11G

#### E217-... Luminous pushbuttons (5 different LED colors)

Contacts	Rated voltage	Power loss	Button color	Width	Catalog number		
	VAC	W		mm			
Rated current = 16A							
LED Voltage range - 115-250VAC							
1NO	250	1.10	White	9	E217-16-10B		
1NO	250	1.10	Red	9	E217-16-10C		
1NO	250	1.10	Green	9	E217-16-10D		
1NO	250	1.10	Yellow	9	E217-16-10E		
1NO	250	1.10	Blue	9	E217-16-10G		
1NC	250	1.10	White	9	E217-16-01B		
1NC	250	1.10	Red	9	E217-16-01C		
1NC	250	1.10	Green	9	E217-16-01D		
1NC	250	1.10	Yellow	9	E217-16-01E		
1NC	250	1.10	Blue	9	E217-16-01G		

## E210 Pushbuttons with and without LEDs

Command Devices  
E210 Series



### E217-... Luminous pushbuttons (5 different LED colors)

Contacts	Rated voltage	Power loss	Button color	Width	Catalog number
	VAC	W		mm	
Rated current = 16A					
LED voltage range - 12-48VAC/DC					
1NO	250	0.72	White	9	E217-16-10B48
1NO	250	0.72	Red	9	E217-16-10C48
1NO	250	0.72	Green	9	E217-16-10D48
1NO	250	0.72	Yellow	9	E217-16-10E48
1NO	250	0.72	Blue	9	E217-16-10G48
1NC	250	0.72	White	9	E217-16-01B48
1NC	250	0.72	Red	9	E217-16-01C48
1NC	250	0.72	Green	9	E217-16-01D48
1NC	250	0.72	Yellow	9	E217-16-01E48
1NC	250	0.72	Blue	9	E217-16-01G48
LED voltage range - 110-220VDC					
1NO	250	1.50	White	9	E217-16-10B220
1NO	250	1.50	Red	9	E217-16-10C220
1NO	250	1.50	Green	9	E217-16-10D220
1NO	250	1.50	Yellow	9	E217-16-10E220
1NO	250	1.50	Blue	9	E217-16-10G220
1NC	250	1.50	White	9	E217-16-01B220
1NC	250	1.50	Red	9	E217-16-01C220
1NC	250	1.50	Green	9	E217-16-01D220
1NC	250	1.50	Yellow	9	E217-16-01E220
1NC	250	1.50	Blue	9	E217-16-01G220

## E210 Indicator lights with LEDs



### E219-... Indicator Lights with LED (5 different colors)

Single indicator light - LED Voltage range = 115-250 V AC

Button color	Power loss	Width	Catalog number
	W	mm	
White	0.47	9	E219-B
Red	0.47	9	E219-C
Green	0.47	9	E219-D
Yellow	0.47	9	E219-E
Blue	0.47	9	E219-G

The new products are available in 9 mm width (= 0.5 modules) and can be used for indicating any operational condition such as signalling loss of a phase. The range offers three different voltages. (Ranges: 12-48 V AC/DC; 115-250 V AC and 110-220 V DC).



### Single indicator light - LED Voltage range = 12-48 V AC/DC

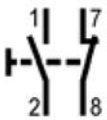
Button color	Power loss	Width	Catalog number
	W	mm	
White	0.40	9	E219-B48
Red	0.40	9	E219-C48
Green	0.40	9	E219-D48
Yellow	0.40	9	E219-E48
Blue	0.40	9	E219-G48

### Single indicator light - LED Voltage range = 110-220 V DC

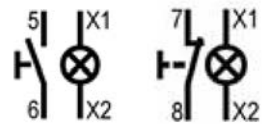
Button color	Power loss	Width	Catalog number
	W	mm	
White	1.00	9	E219-B220
Red	1.00	9	E219-C220
Green	1.00	9	E219-D220
Yellow	1.00	9	E219-E220
Blue	1.00	9	E219-G220

## Terminal assignment

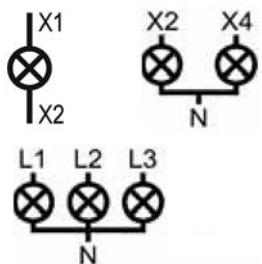
Pushbutton



Luminous Pushbutton



Indicator Light



## Technical data

Pushbuttons and Single indicator light

Rated Voltage Un	[V]	250/400
Lowest operat. voltage		24 V; 25 mA
Rated current In	[A]	16
LED current	[mA]	5
Rated frequency	[Hz]	50/60
Modules	[No]	0.5
Tightening torque	[Nm]	1.2 - 1.5
Standards		EN 60669-1; EN 62094-1; UL 508
Approvals		Pushbuttons: VDE, UL, GOST, CCC Single Indicator light: VDE, UL, GOST



## E210 Accessories



E210-DH

### Dummy housing for 9 mm wide units

Item	Catalog number
Dummy housing for 9mm wide units	E210-DH

The modular width of 18 mm must be complied with to use the devices in the SMISLINE socket system. The dummy housing is ready-made with two expanding connectors. Always snap on dummy housing on the left.

### Padlock

Item	Catalog number
to use for 9 and 18mm wide units	E210-ASV9



E210-ASV9