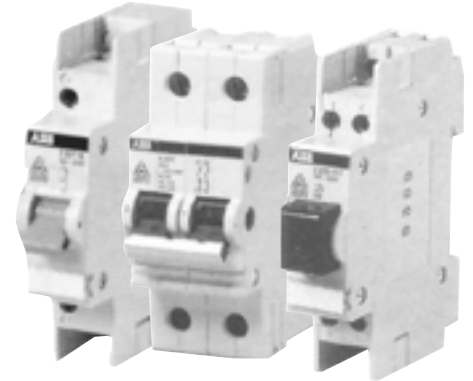


# E220 – E270 Modular DIN rail components



## System pro M compact Modular DIN rail components E220 - E270 Series



### Description

- Safe connection by box terminals
- Captive screws with Pozidrive slotted head, Pozidrive system, Gr. 1
- Snap-on labels available
- Quick mounting with snap-on clip, easily accessible and detachable at the bottom
- Protection against unintentional direct touch
- System approach for control and circuit protection
- Compact size that dimensionally matches the S2 MCB series
- Control and pilot functions can be along side protective devices
- DIN rail mounted with 45mm front opening
- For use in auxiliary and logic devices
- Provide additional user functions for system control and operation
- Include pushbuttons, indicating lights and selector switches
- ABB System Pro M compatibility
- Most devices are both UL 508 recognized and are IEC compliant
- Labeled with the CE Mark

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Spec Tech Industrial 203 Vest Ave. Valley Park, MO 63088 Phone: 888 SPECTECH  
Fax: 636 537-1405 [www.spectechind.com](http://www.spectechind.com)

## E221 & E222 Switches, 240VAC

### Modular din rail components

### 16 & 25A



E221-10

Type	Rated current	Catalog number	List price	Delivery schedule	Suggested order qty	Weight (Oz.) 1 piece
<b>Switches</b>						
1 N.O. + 1 N.C.	16	E221-11	<b>\$ 90</b>	B	10	2.46
2 N.O. + 2 N.C.	16	E221-22	<b>177</b>			
3 N.O. + 1 N.C.	16	E221-31	<b>177</b>			
1 N.O.	16	E221-10	<b>59</b>	B	10	1.94
2 N.O.	16	E221-20	<b>110</b>			2.12
3 N.O.	16	E221-30	<b>120</b>			2.29
4 N.O.	16	E221-40	<b>159</b>			2.47
1 N.O. + 1 N.C.	25	E222-11	<b>140</b>	B	10	2.47
1 N.O.	25	E222-10	<b>107</b>			1.94
2 N.O.	25	E222-20	<b>141</b>			2.12
3 N.O.	25	E222-30	<b>159</b>			2.29
4 N.O.	25	E222-40	<b>239</b>			2.47

#### Form "C" switches

1 Change-over contact	16	E221-6	<b>69</b>	B	10	2.12
2 Change-over contacts	16	E221-6/2	<b>125</b>			2.47
1 Change-over contact	25	E222-6	<b>128</b>	B	10	2.12

#### Form "C" switches (I-O-II, Hand-OFF-Automatic)

1 Pole	16	E221-4	<b>99</b>	B	10	2.12
2 Pole	16	E221-4/2	<b>147</b>			2.47
1 Pole	25	E222-4	<b>150</b>	B	10	2.12

Note: Above devices are UL 508 recognized and IEC certified.  
A300 pilot duty UL file # E171252

#### Delivery Class

- A** - Standard item, stock to 2 weeks lead time
- B** - Stock to 4 weeks lead time
- C** - 6 to 8 week lead time

# E241 - E274 Disconnect switches

## Modular din rail components

### 45, 63, 80 & 100A

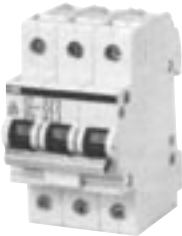
System  
pro M compact



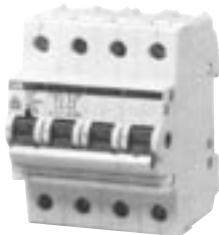
Single pole



Two pole



Three pole



Four pole

Type	Rated current	Catalog number	List price	Delivery schedule	Suggested order qty's	Weight (Oz.) 1 piece
<b>Single pole, 240V</b>	45	E241/45	\$ 54	B	10	2.82
	63	E271/63	60			
	80	E271/80	72			
	100	E271/100	96			
<b>Two pole, 415V</b>	45	E242/45	114	B	5	6.17
	63	E272/63	126			
	80	E272/80	150			
	100	E272/100	204			
<b>Three pole, 415V</b>	45	E243/45	174	B	3	9.52
	63	E273/63	192			
	80	E273/80	228			
	100	E273/100	306			
<b>Four pole, 415V</b>	45	E244/45	234	B	2	12.87
	63	E274/63	258			
	80	E274/80	306			
	100	E274/100	410			

Above devices are IEC certified.

### Isolator switches

The E240/270 series operate as disconnect switches and are typically used as a main disconnect for several branch MCB devices. The isolator switches offer no overcurrent protection. The E240/270 series is the same physical size and shape as the S260, S270 & S280 series. The switches include dual function terminals and can be connected via standard ABB busbar through the upper or lower terminals.

### Delivery Class

- A** - Standard item, stock to 2 weeks lead time
- B** - Stock to 4 weeks lead time
- C** - 6 to 8 week lead time

## E225 - E229, E10 Pilot devices Modular din rail components



E225-11F



E227-10E



E233-120/60

Type	Catalog number	List price	Delivery schedule	Pack units pcs.	Weight (Oz.) 1 piece
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### Pushbutton, 1 N.O. + 1 N.C. contact

Grey	E225-11B	<b>\$ 75</b>	A	10	1.94
Red	E225-11C				
Green	E225-11D				
Yellow	E225-11E				
Black	E225-11F				
Blue	E225-11G				

### Illuminated pushbutton, 1 N.O. contact with lamp, 120 VAC

Clear	E227-10B/110	<b>100</b>	A	10	1.94
Red	E227-10C/110				
Green	E227-10D/110				
Yellow	E227-10E/110				
Blue	E227-10G/110				

### Pilot light with lamp, 120 VAC

Clear	E229-B/110	<b>93</b>	A	10	1.59
Red	E229-C/110				
Green	E229-D/110				
Yellow	E229-E/110				
Blue	E229-G/110				

### Lamps

24 VAC/DC	E10/24	<b>24</b>	A	1	0.14
120 VAC/DC	E10/110				
220 VAC/DC	E10/220				

Note: Above devices are UL 508 recognized and IEC certified. UL file # E171252

### Special features

- Safe connection via box terminals
- Captive screws with Phillips/Slotted head, Posidriv system, Gr. 1
- Snap-on labels available
- Protection against unintentional touch acc. to DIN VDE 0106 Part 100
- Lenses and pushbuttons in six colors

### Elapsed time meter

Type	Catalog number	List price	Delivery schedule	Pack units pcs.	Weight (KG) 1 piece
24 VAC, 60 Hz	E233-24/60	<b>\$ 130</b>	B	1	0.045
120 VAC, 60 Hz	E233-120/60		A		
240 VAC, 60 Hz	E233-240/60		B		

- Non-resettable
  - 100,000 hours (99999.99)
- UL file #171252

### Delivery Class

- A** - Standard item, stock to 2 weeks lead time
- B** - Stock to 4 weeks lead time
- C** - 6 to 8 week lead time

# Technical data

## Modular din rail components

### Components for quick mounting onto DIN rails (35mm)

Mounting depth: 68mm  
Mounting width: 1, 2, 3 and 4 pole switches = 17.5mm (= 1 module)

#### E220 Switches, 16 & 25A

Switching capacity:  $1.25 I_n, 1.1 U_n, \cos \phi = 0.6$   
Short-circuit withstanding capacity: 3 kA, 380V,  $\cos \phi = 0.9$   
Toggle sealable: In ON and OFF positions  
Connection cross-sections: Up to  $1 \times 6\text{mm}^2$  or  $2 \times 2.5\text{mm}^2$   
Rated AC voltage: 240 VAC UL/CSA (E171252)  
250/440 VAC IEC

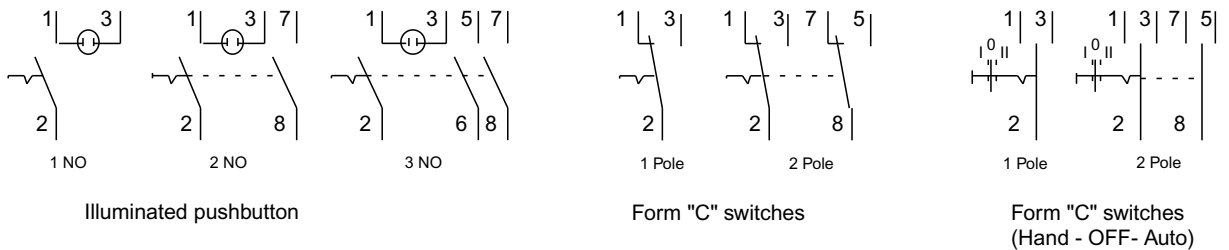
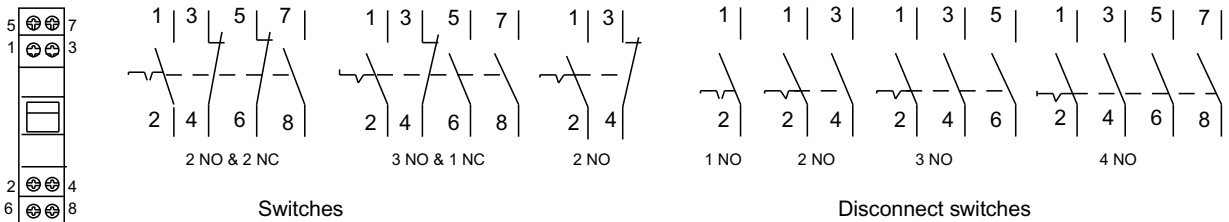
#### E240/270 Disconnect switches, 45, 63, 80, & 100A

Switching capacity:  $1.25 I_n, 1.1 U_n, \cos \phi = 0.3$   
Short-circuit withstanding capacity: E240 = 10kA, E270 = 25kA RMS  
Connection cross-sections: E240 up to  $25\text{mm}^2$   
E270 up to  $50\text{mm}^2$   
Rated AC voltage: 240/400/415 VAC

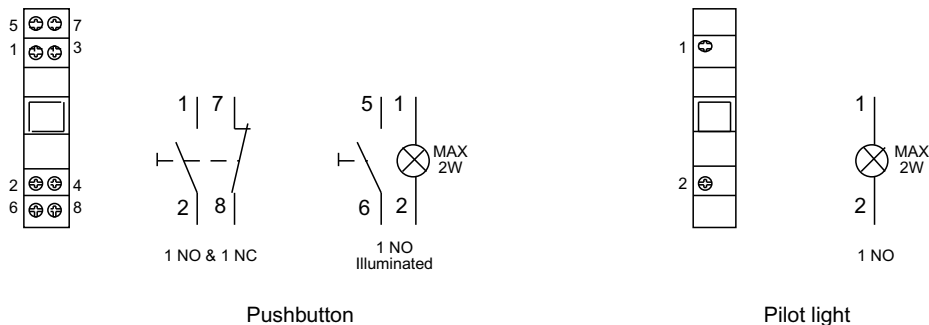
#### E Series components for quick mounting onto DIN rails (35mm)

Mounting depth: 68mm  
Mounting width: 17.5mm (=1 module)  
Color: RAL 7035, grey  
Connection cross sections: Up to  $1 \times 6\text{mm}^2$  or  $2 \times 2.5\text{mm}^2$   
Rated current: 16A  
Rated voltage: 250 VAC IEC  
Rated voltage: 240 VAC UL/CSA (E171252)

### Terminal markings



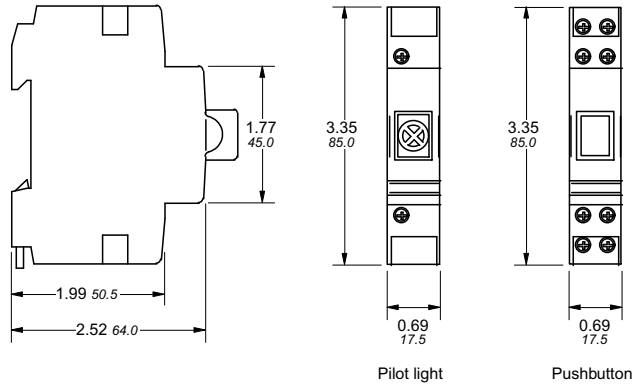
### Terminal assignments for pushbuttons and indicator lights



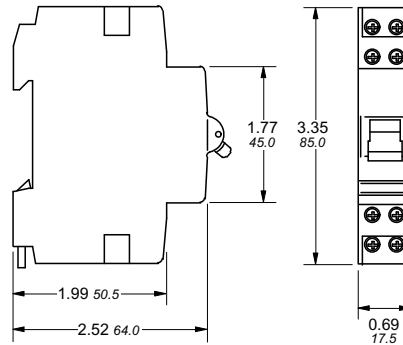
## Approximate dimensions Modular din rail components

← 00.00 → Inches  
00.00 [Millimeters]

### E220

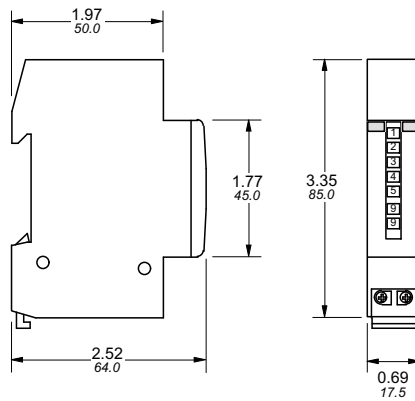


### E220, 16 & 25A



### E233

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### E240/270

