

## Accessories

### S200, S200P, S280UC & S280W

### UL 1077, CSA 22.2



S2C-H6R



S2C-A



S2C-UA

#### Auxiliary contacts

The auxiliary contacts will signal whether the breaker is in the ON or OFF position.

Description	Catalog number
For field mounting: right side	<b>S2C-H6R</b>

#### Bell alarm

The bell alarm includes a set of contacts that will only signal when the breaker has tripped. Typically the contacts would be connected to an alarm or bell to signal the operator that an overcurrent trip has occurred. The bell alarm also includes a test button for testing the alarm contacts without opening the breaker.

Description	Catalog number
For field mounting: right side	<b>S2C-S/H6R</b> ①

#### Shunt trip

For remote tripping of breaker, a shunt trip device can be added to the MCB. The solenoid device opens the breaker after control voltage is applied.

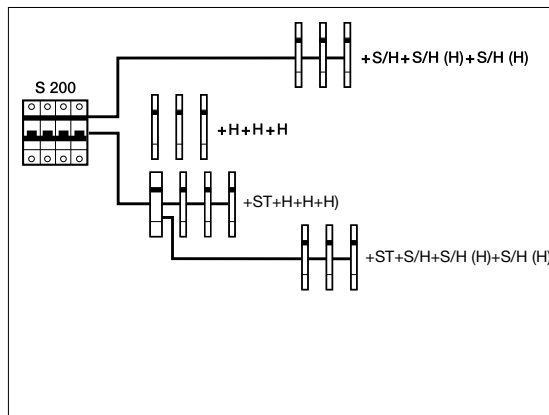
Description	Catalog number
For field mounting: right side	
A1-12-60 VAC (12 – 60 VDC)	<b>S2C-A1</b>
A2-110-415 VAC (110 – 250 VDC)	<b>S2C-A2</b>

#### Undervoltage release

When control voltage drops below approximately 50 % of rated voltage, the UVR opens the breaker. The breaker can not be operated unless proper control voltage is first applied to the UVR coil.

Description	Catalog number
For field mounting: right side	
12 VDC	<b>S2C-UA 12</b>
24 VAC/VDC	<b>S2C-UA 24</b>
48 VAC/VDC	<b>S2C-UA 48</b>
110 VAC/VDC	<b>S2C-UA 110</b>
220 VAC/VDC	<b>S2C-UA 230</b>
380 VAC	<b>S2C-UA 400</b>

#### Possible mounting arrangements of MCB accessories



Legend	
Auxiliary contact	H
Bell alarm/Auxiliary contact	S/H
Bell alarm/Auxiliary contact used as auxiliary contact	S/H (H)
Shunt trip	ST
Undervoltage release	UR

① Combination bell alarm/auxiliary contact.

# Accessories

## S290

### UL 1077, CSA 22.2

Miniature  
circuit breakers



S290-H11

#### Auxiliary contacts

The auxiliary contacts will signal whether the breaker is in the ON or OFF position.

Description	Catalog number
Auxiliary contact	<b>S290-H11</b>

#### Bell alarm

The bell alarm includes a set of contacts that will only signal when the breaker has tripped.

Typically the contacts would be connected to an alarm or bell to signal the operator that an overcurrent trip has occurred. The bell alarm also includes a test button for testing the alarm contacts without opening the breaker.

Description	Catalog number
Signal contact	<b>S290-S</b>

#### Shunt trip

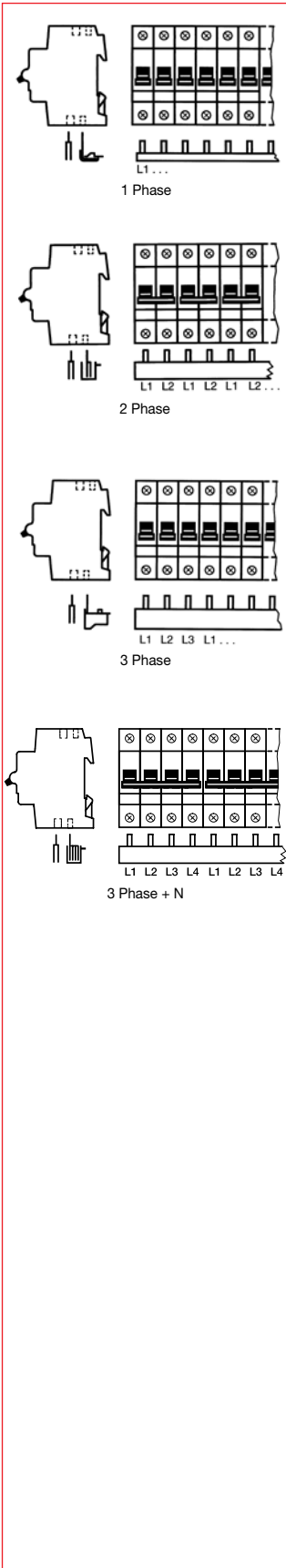
For remote tripping of breaker, a shunt trip device can be added to the MCB. The solenoid device opens the breaker after control voltage is applied.

Description	Catalog number
For field mounting, left side	
110V – 415VAC	<b>S290-A1</b>
For field mounting, left side	
24 – 48VDC	<b>S290-A2</b>

# Accessories

## S200, S200P, S280UC, S280W

### UL 1077, CSA 22.2



#### 1 Phase

For use on:	Amp rating	Number of poles	Phases	Busbar length (mm)	End cap catalog number	Catalog number
S200						
S200 P	63	60	1	986	-	<b>PS1/60</b>
S280UC	80	60	1	986	-	<b>PS1/60/16</b>
S280W						

#### 2 Phase

For use on:	Amp rating	Number of poles	Phases	Busbar length (mm)	End cap catalog number	Catalog number
S200						
S200 P	63	58	2	1035	PS-END	<b>PS2/58SP</b>
S280UC	80	58	2	1035	PS-END	<b>PS2/58/16SP</b>
S280W						

#### 3 Phase

For use on:	Amp rating	Number of poles	Phases	Busbar length (mm)	End cap catalog number	Catalog number
S200						
S200 P	63	60	3	1065	PSB-ENDSP	<b>PS3/60SP</b>
S280UC	80	60	3	1065	PSB-ENDSP	<b>PS3/60/16SP</b>
S280W						

#### 4 Phase

For use on:	Amp rating	Number of poles	Phases	Busbar length (mm)	End cap catalog number	Catalog number
S200						
S200 P	80	60	4	1056	PS-END1	<b>PS4/60/16SP</b>
S280UC	80	60	4	1056	PS-END1	<b>PS4/60/16SP</b>
S280W						

#### NOTE

All busbars may be center fed in order to double the ampacity rating

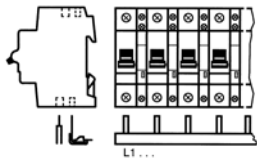
#### NOTE

Busbars may be used on line or load side of MCBs

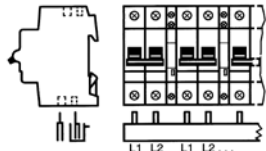
## Accessories

### S200, S200P, S280UC, S280W

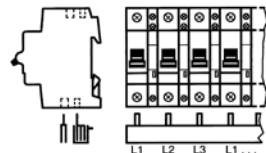
### UL 1077, CSA 22.2



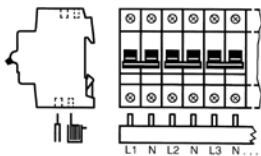
1 Phase + Aux



2 Phase + Aux



3 Phase + Aux



3 Phase + N

#### 1 Phase with 1 auxiliary

For use on:	Amp rating	Number of poles	Phases	Busbar length (mm)	End cap catalog number	Catalog number
S200 & S200 P	63	38	1	1044	–	<b>PS1/38H</b>
S200 & S200 P	80	38	1	1044	–	<b>PS1/38/16H</b>

#### 2 Phase with 1 auxiliary

For use on:	Amp rating	Number of poles	Phases	Busbar length (mm)	End cap catalog number	Catalog number
S200 & S200 P	80	48	2	1065	PS-ENDSP	<b>PS2/48/16SP</b>

#### 3 Phase with 1 auxiliary

For use on:	Amp rating	Number of poles	Phases	Busbar length (mm)	End cap catalog number	Catalog number
S200 & S200 P	80	39	3	980	PS-ENDSP	<b>PS2/39/16SP</b>

#### 3 Phase + N, for use with 2 pole-MCBs on 3 phase/4W system

For use on:	Amp rating	Number of poles	Phases	Busbar length (mm)	End cap catalog number	Catalog number
S200 & S200 P	80	58	4	1048	PS-END1SP	<b>PS4/58/16NSP</b>

#### NOTE

All busbars may be center fed in order to double the ampacity rating

#### NOTE

Busbars may be used on line or load side of MCBs

# Accessories

## S200, S200P, S280W, S280UC

### UL 1077, CSA 22.2

#### Busbar tooth covers



SZ-BSK

Description	Catalog number
Covers five unused poles of busbar	<b>SZ-BSK</b>

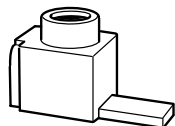
#### Busbar mounted terminal block



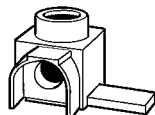
SZ-ESK2

Description	Catalog number
Busbar mounted terminal block, 1 pole, for use on all busbars, Wire size: 14 AWG to 2 AWG	<b>SZ-ESK2</b>

#### Connection terminals



SZ-AST55I



SZ-AST50I

Description		For use on:	Catalog number
Cross section	AWG/mm <sup>2</sup>		
AWG 1/0 (50 mm <sup>2</sup> )	Straight	S200 & S200P	<b>SZ-AST55I</b>
AWG 1/0 (50 mm <sup>2</sup> )	90°	S200 & S200P	<b>SZ-AST50I</b>