

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	S2C-H6R

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	S2C-S/H6R 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.

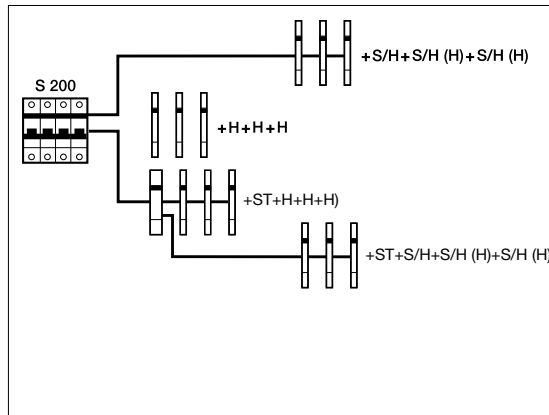
Description	Catalog number
For field mounting: right side	
A1-12-60 VAC (12 – 60 VDC)	S2C-A1
A2-110-415 VAC (110 – 250 VDC)	S2C-A2

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	S2C-UA 12
24 VAC/VDC	S2C-UA 24
48 VAC/VDC	S2C-UA 48
110 VAC/VDC	S2C-UA 110
220 VAC/VDC	S2C-UA 230
380 VAC	S2C-UA 400

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	S290-H11

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	S290-S

Shunt trip

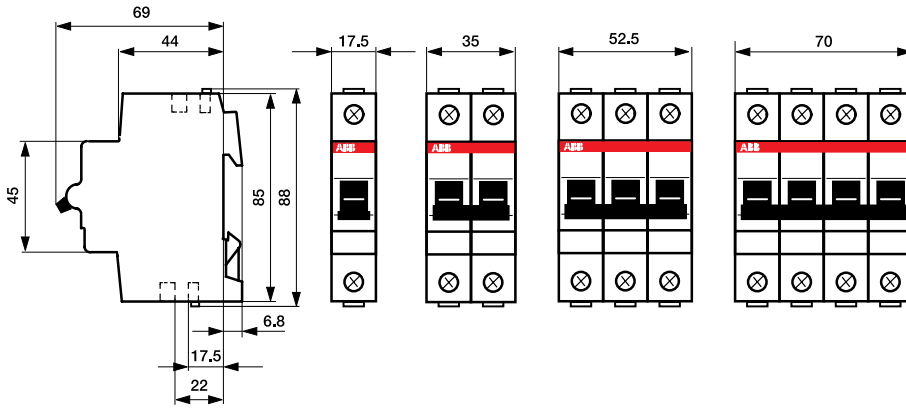
For remote tripping of breaker, a shunt trip device can be added to the MCB. The solenoid device opens the breaker after control voltage is applied.

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

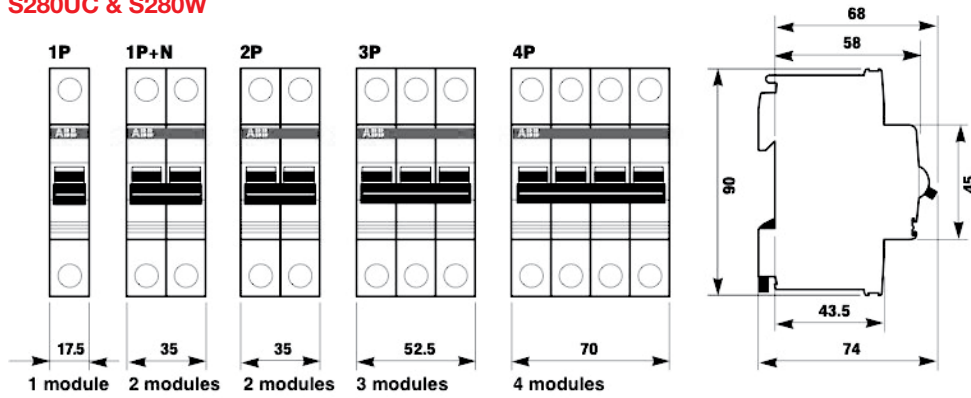
Approximate dimensions

S200, S200P, S280UC, S280W, S290
UL 1077, CSA 22.2

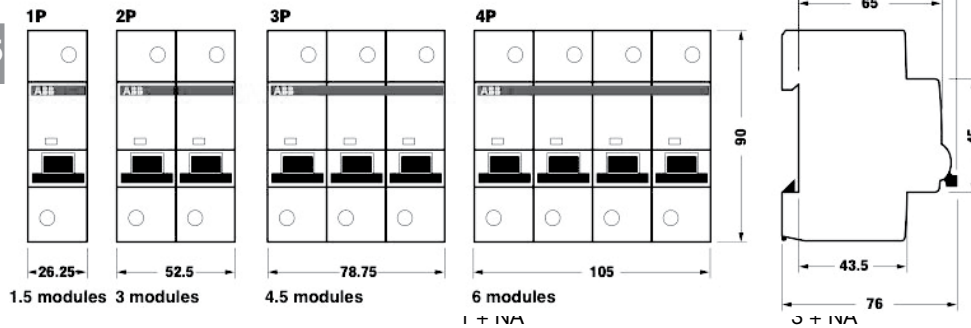
S200, S200P



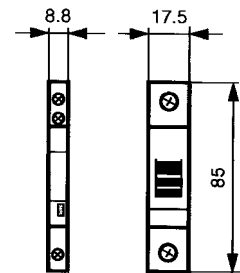
S280UC & S280W



S290

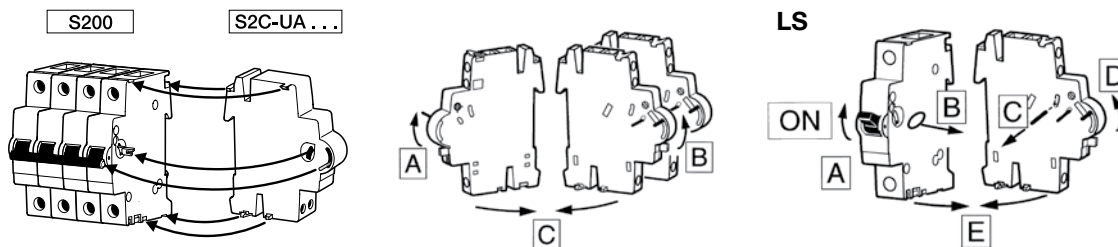


S2C-H6R, S2C-A... S2C



15

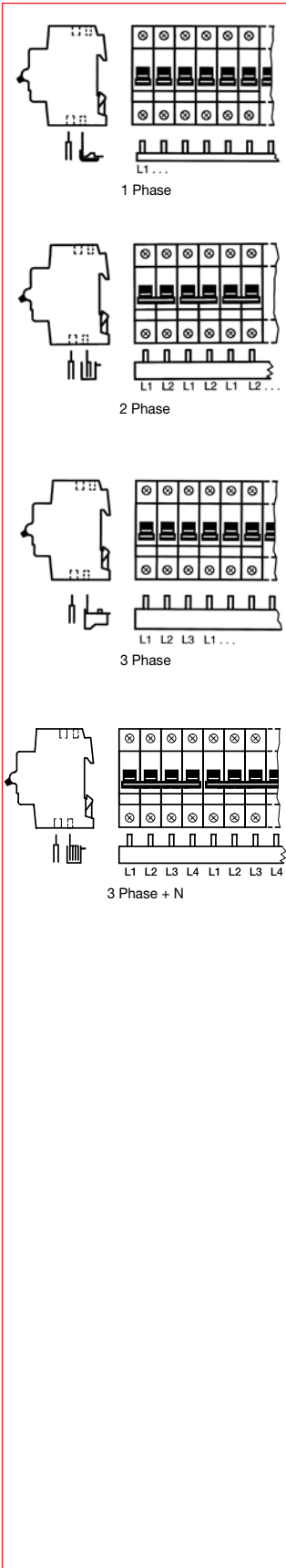
Addition of S2C-A...U



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	-	PS1/60
S280UC	80	60	1	986	-	PS1/60/16
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	PS2/58SP
S280UC	80	58	2	1035	PS-END	PS2/58/16SP
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	PS3/60SP
S280UC	80	60	3	1065	PSB-ENDSP	PS3/60/16SP
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	PS4/60/16SP
S280UC	80	60	4	1056	PS-END1	PS4/60/16SP
S280W						

NOTE

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

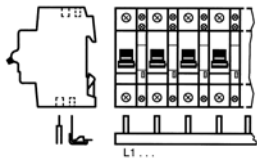
NOTE

Busbars may be used on line or load side of MCBs

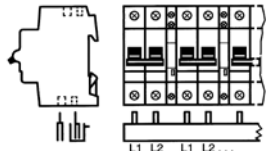
Accessories

S200, S200P, S280UC, S280W

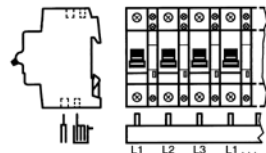
UL 1077, CSA 22.2



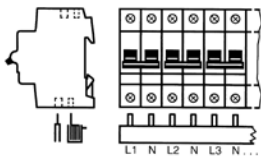
1 Phase + Aux



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	–	PS1/38H
S200 & S200 P	80	38	1	1044	–	PS1/38/16H

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	PS2/48/16SP

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	PS2/39/16SP

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	PS4/58/16NSP

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

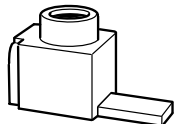
S200, S200P, S280W, S280UC
UL 1077, CSA 22.2



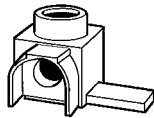
SZ-BSK



SZ-ESK2



SZ-AST55I



SZ-AST50I

Busbar tooth covers

Description	Catalog number
Covers five unused poles of busbar	SZ-BSK

Busbar mounted terminal block

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

Connection terminals

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