

Electrical installation solutions for buildings

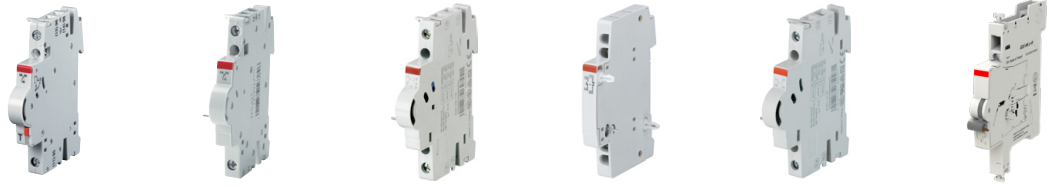
Accessories for MCBs, RCDs, AFDDs and Switch disconnectors

Index

Selection tables	2
Selection guide	4
Auxiliary elements for MCBs S 200, S 300 P, SN 201, RCDs F 200, DS 200, DS201-DS202C, DS203NC, DSE201 M, AFDD S-ARC1 and Switch disconnectors SD 200,series	22
Auxiliary elements for MCBs, RCDs, AFDDs and Switch Disconnectors	33
Motor operating and autoreclosing devices for MCBs, RCDs and Switch Disconnectors	36
Busbars and busbars'accessories for MCBs RCDs and AFDDs	42
Busbars and busbars'accessories for MCBs, RCDs and AFDDs - Selection guide	46
Busbars and busbars'accessories for MCBs, RCDs and AFDDs - Busbars PS	54
Busbars and busbars' accessories for MCBs, RCDs and AFDDs - Accessories for Busbars	62
Busbars and accessories for Compact RCBOs DS301C	67
Accessories for S 200, SN 201, F 200, DS 200 and other series	74
Auxiliary elements for S750 DR	84
Auxiliary elements for MCBs S800 series	85
UNIFIX rapid wiring system	105

Auxiliary elements and accessories

Selection tables



Accessory	Auxiliary and Signal Contacts					
	S2C-S/H6R	S2C-H6R	S2C-H6-xxR	S2C-HxxL	S2C-Hxx	G2C-H
Standards						
EN45545-2	R26/HL3	R26/HL3	R26/HL3	R26/HL3	R26/HL3	R26/HL3
IEC 61373	Category 1 - Class A/B	Category 1 - Class A/B	Category 1 - Class A/B	Category 1 - Class A/B	Category 1 - Class A/B	Category 1 - Class A/B
Combinable with:						
S200MT	■	■	■	■	■	
S200MTUC	■	■	■	■	■	
S300P						
S202TC						■
S200 MTR (DC)		■			■	
ST200MTR (DC)		S2C-H6RU				
	S2C-S6RU					
DS201T	■	■	■		■	
DS203NC*	■	■	■		■	

* requires use of SN201H as an adapter



Accessory	Auxiliary / Signal		Shunt	Motor
	S800-AUX	S800-AUX/ALT	S800-SOR	S800W-RSU
Standards				
EN45545-2	R26/HL3	R26/HL3	R26/HL3	
IEC 61373	Category 1 - Class A/B	Category 1 - Class A/B	Category 1 - Class A/B	
Combinable with:				
S800P	■	■	■	■
S800S / S800S-UC	■	■	■	■
S800N	■	■	■	■
S800C	■	■	■	■
S800HV	■	■	■	■
S800PV	■	■	■	■
S800U	■	■	■	■



Shunt Trips				
G2C-S/H	S2C-HxxT	S2C-Ax	S2C-AxL	S2C-AxT
R26/HL3	R26/HL3	R26/HL3	R26/HL3	R26/HL3
Category 1 - Class A/B	Category 1 - Class A/B	Category 1 - Class A/B	Category 1 - Class A/B	Category 1 - Class A/B
		■	■	
		■	■	
■				
	■	■	■	■
	■	■		■

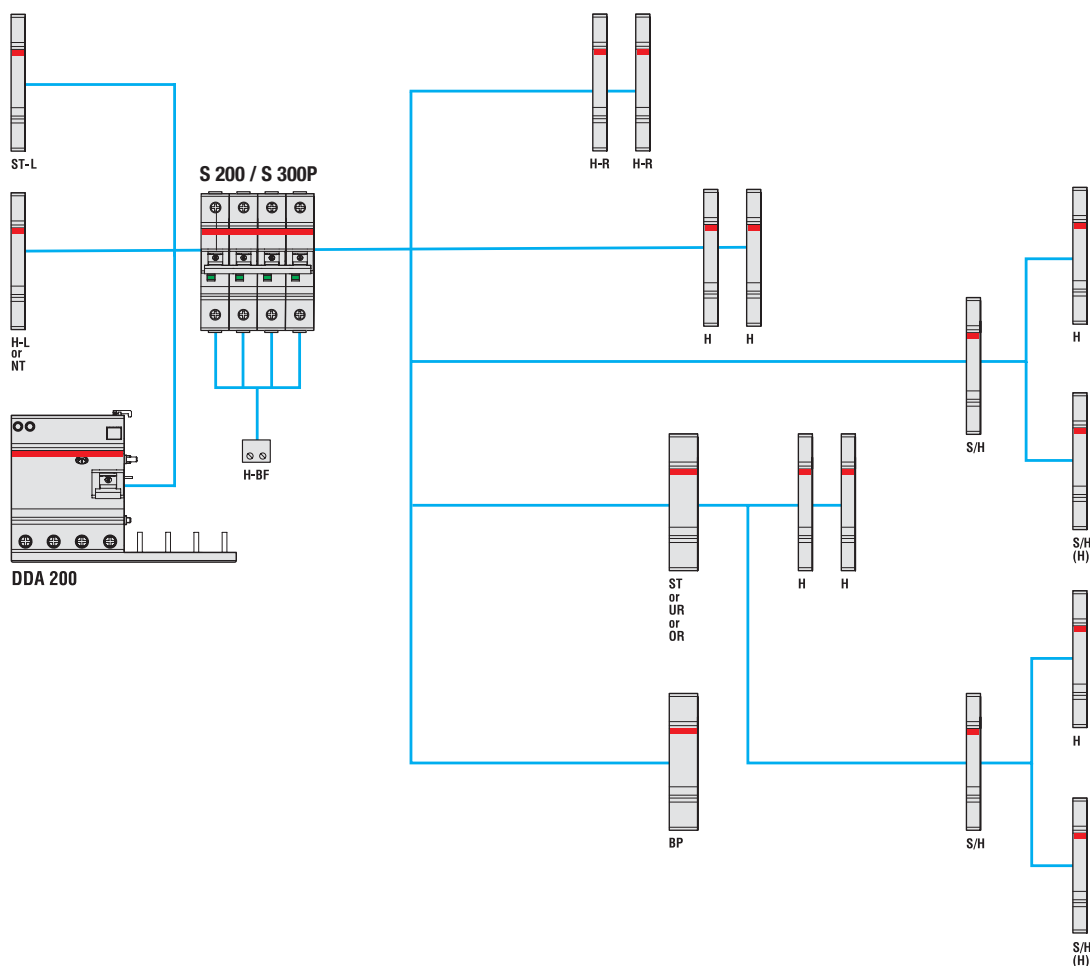


Short Circuite Limited		Undervoltage Release	
S800-RSU-H	S800-SCL-SR	S800-UVR	DDA 800
Category 1 - Class B	Category 1- Class A/B	Category 1- Class A/B	
■	■	■	■
■	■	■	■
■	■	■	■
■	■	■	■
■		■	
■		■	
		■	

Auxiliary elements for MCBs, RCDs, AFDDs and Switch Disconnectors

Selection guide

Combination of auxiliary elements with S200, S200M, S200P, S300P, DDA200 + S200 or DS200
(for S200 80-100A no combination with DDA)



H	Auxiliary contact	S2C-H6R
H-R	Auxiliary contact	S2C-H6-...R
S/H	Signal/Auxiliary contact	S2C-S/H6R
S/H (H)	Signal/Auxiliary contact used as auxiliary contact	S2C-S/H6R
ST	Shunt trip	S3C-A...
ST-L	Shunt trip to be mounted on the left	S3C-A...L
UR	Undervoltage release	S2C-UA
OR	Overvoltage release	S2C-OVP
H-L *	Auxiliary contact to be mounted on the left	S2C-H...L
H-BF **	Auxiliary contact for MCBs bottom fitting (1 for each pole of MCB)	S2C-H01/S2C-H10
BP	Mechanical tripping device	S2C-BP
NT	Switched neutral	S2C-Nt
MOD***	Motor operating device	S3C-MOD...

In case of using rotary operating mechanism S2C-DH (only right side mountable) the auxiliary devices left side and bottom fitting auxiliary contact could be used.

* H-L and H-BF cannot be coupled with DS200.

** H-BF cannot be coupled with MCB's neutral pole.

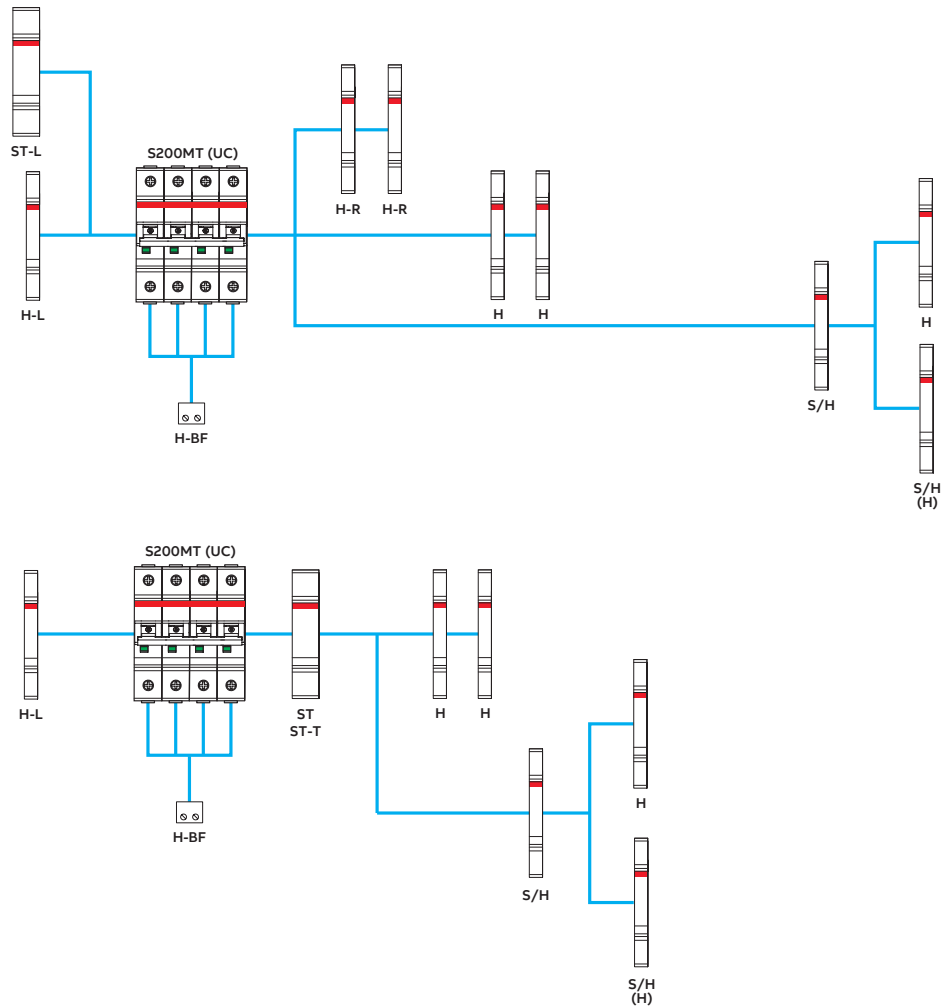
*** Please check the scheme can be found in Combination of S200/S300P/SD200 with motor operating device page

Auxiliary elements and accessories for MCBs and RCDs

Selection guide

S 200 MT (UC)

Auxiliary elements and accessories

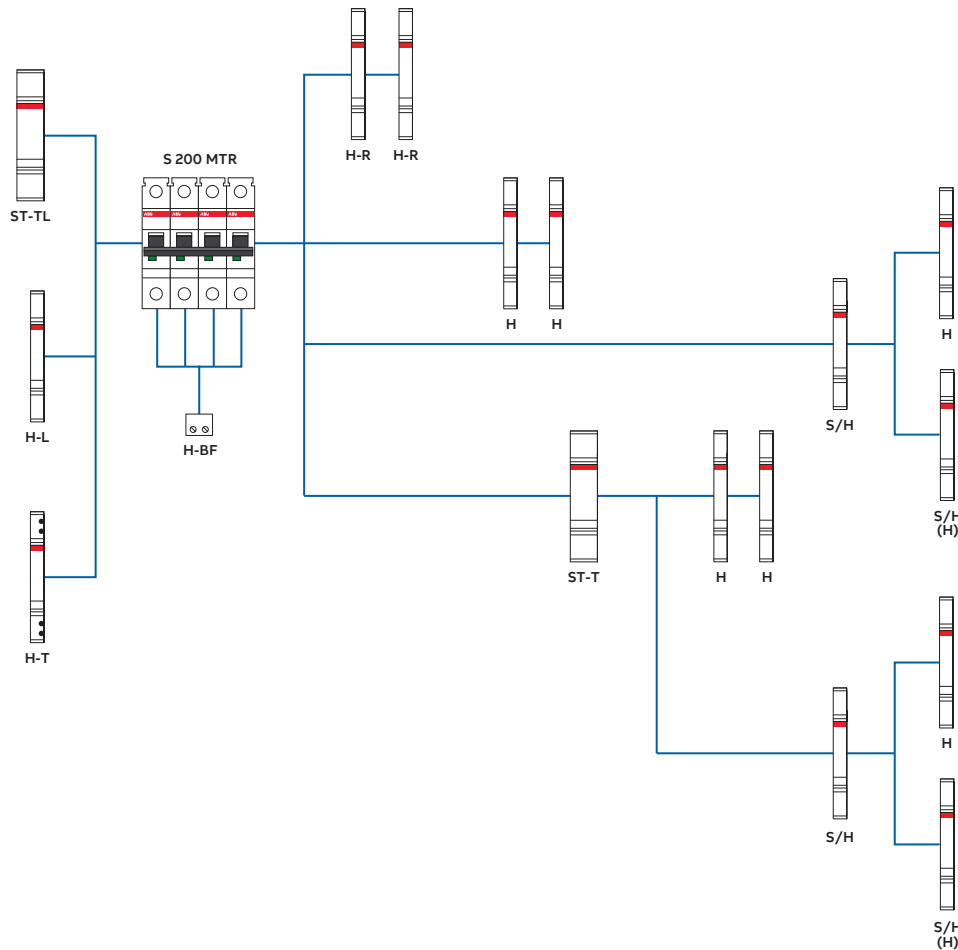


H	Auxiliary contact	S2C-H6R
H-R	Auxiliary contact	S2C-H6-...R
H-L	Auxiliary contact for S 200 MTCBs to be mounted on the left	S2C-H...L
H-BF	Auxiliary contact for MCBs bottom fitting (1 for each device)	S2C-H01/S2C-H10
S/H	Signal/Auxiliary contact	S2C-S/H6R
S/H (H)	Signal/Auxiliary contact used as auxiliary contact	S2C-S/H6R
ST	Shunt trip for S 200 MTCB	S2C-A...
ST-L	Shunt trip to be mounted on the left	S2C-A...L

Auxiliary elements and accessories for MCBs and RCDs

Accessories scheme for S200 MTR

Combination of auxiliary elements with S200 MTR and S200 MTR DC MCBs series



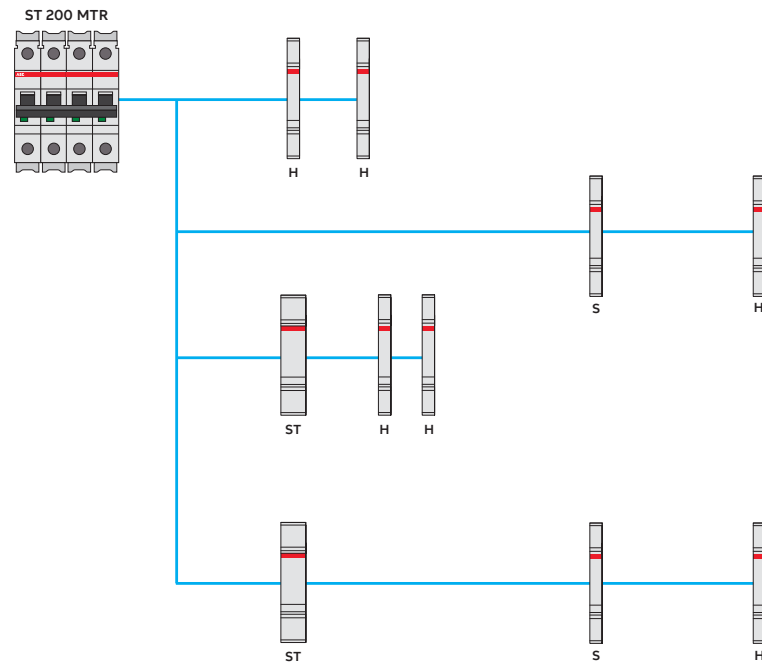
H-T	Auxiliary contact	S2C-H.. T
H	Auxiliary contact	S2C-H6R
H-R	Auxiliary contact	S2C-H6-...R
S/H	Signal/Auxiliary contact	S2C-S/H6R
S/H (H)	Signal/Auxiliary contact used as auxiliary contact	S2C-S/H6R
ST-L	Shunt trip to be mounted on the left	S2C-A....TL
ST-T	Shunt trip for S 200 MTCB	S2C-AxxT
H-L	Auxiliary contact to be mounted on the left	S2C-H...L
H-BF	Auxiliary contact for MCBs bottom fitting (1 for each device)	S2C-H01/S2C-H10

*S200 series MCBs and SD200 switch disconnectors up to 3P or 2P+ST can be coupled with MOD-S

Auxiliary elements and accessories for MCBs and RCDs

Selection guide

Combination of auxiliary elements with ST 200 MTR

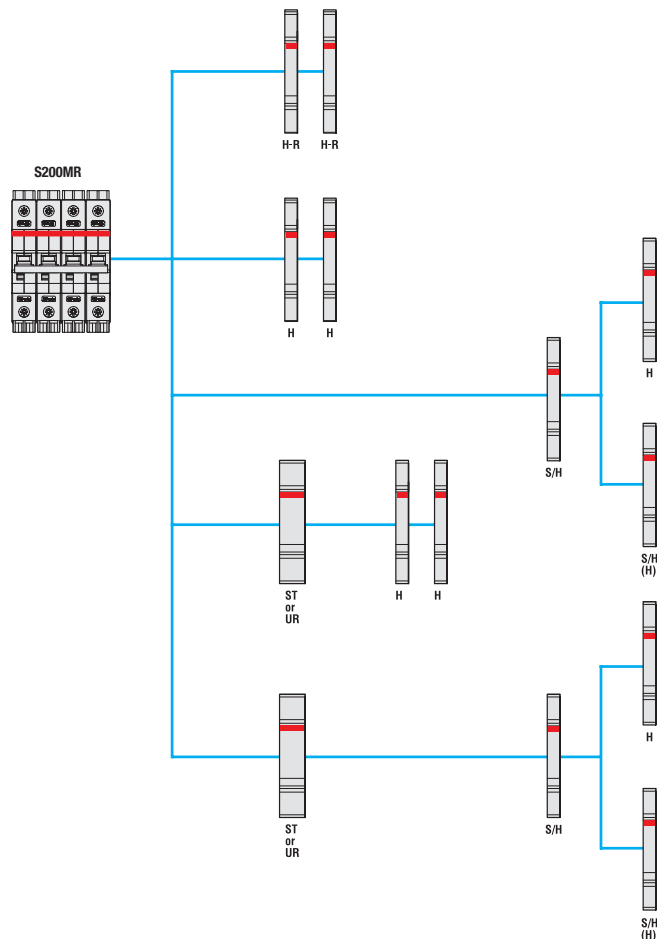


H	Auxiliary contact	S2C-H6RU
S	Signal/Auxiliary contact	S2C-S6RU
ST	Shunt trip	S2C-A...TU

Auxiliary elements for MCBs, RCDs, AFDDs and Switch Disconnectors

Selection guide

Combination of auxiliary elements with S200MR

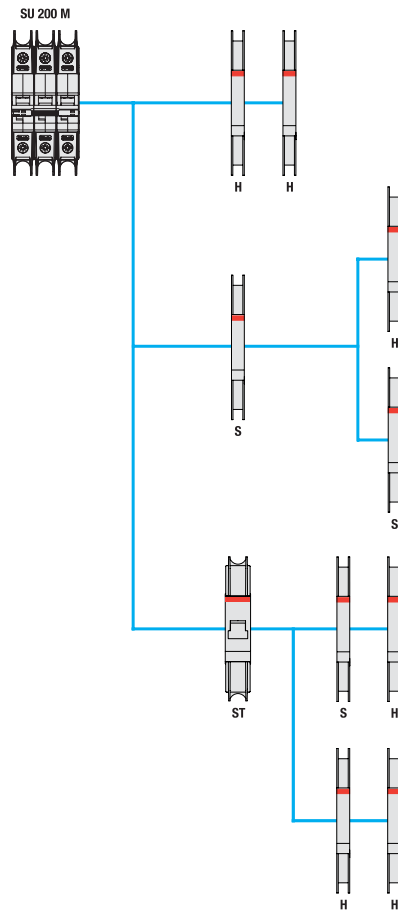


H	Auxiliary contact	S2C-H6R
H-R	Auxiliary contact	S2C-H6-...R
S/H	Signal/Auxiliary contact	S2C-S/H6R
S/H (H)	Signal/Auxiliary contact used as auxiliary contact	S2C-S/H6R
ST	Shunt trip	S3C-A...
UR	Undervoltage release	S2C-UA

Auxiliary elements for MCBs, RCDs, AFDDs and Switch Disconnectors

Selection guide

Combination of auxiliary elements with SU200M, S200UDC and SU200MR



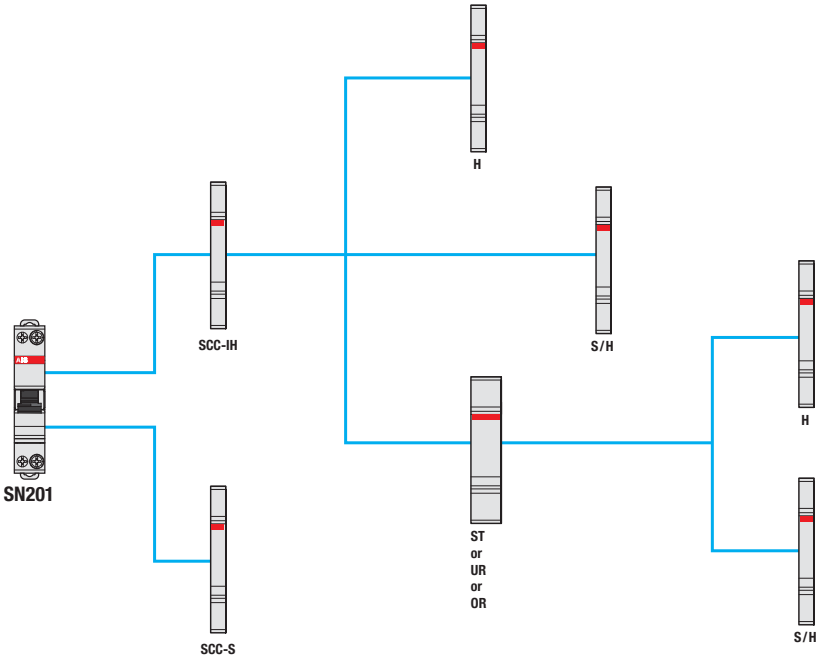
H	Auxiliary contact	S2C-H6RU
S	Signal contact	S2C-S6RU
ST	Shunt trip	S2C-A...U



Auxiliary elements for MCBs, RCDs, AFDDs and Switch Disconnectors

Selection guide

Combination of auxiliary elements with SN201

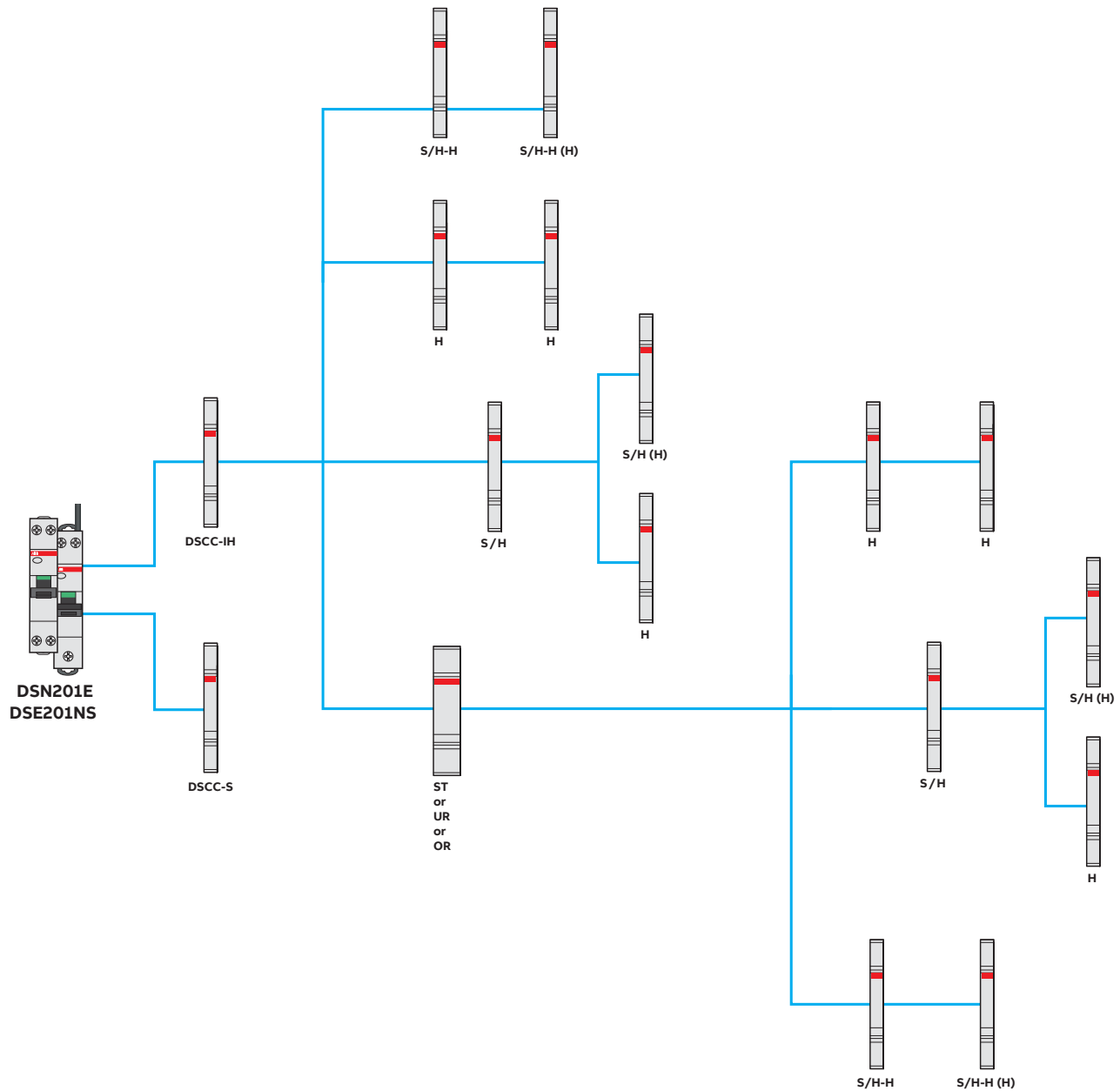


SCC-IH	Auxiliary slim range adapter	SCC-IH6R
SCC-S	Signal slim range adapter	SCC-S6R
H	Auxiliary contact	S2C-H6R
S/H	Signal/auxiliary contact	S2C-S/H6R
ST	Shunt trip	S3C-A...
UR	Undervoltage release	S2C-UA
OR	Overvoltage release	S2C-OVP

Auxiliary elements for MCBs, RCDs, AFDDs and Switch Disconnectors

Selection guide

Combination of auxiliary elements with DSN201E, DSE201 NS



DSCC-IH	Auxiliary contact/interface	DSCC-IH.... *
DSCC-S	Signaling contact	DSCC-S.... *
H	Auxiliary contact	S2C-H6R
S/H	Signal/auxiliary contact	S2C-S/H6R
ST	Shunt trip	S3C-A...
S/H (H)	Signal/Auxiliary contact used as auxiliary contact	S2C-S/H6R
UR	Undervoltage release	S2C-UA **
OR	Overvoltage release	S2C-OVP
S/H-H	Auxiliary contact-Signal contact/ Auxiliary contact 2CO	S3C-H-S/H6R ***
S/H-H (H)	Auxiliary contact-Signal contact/ Auxiliary contact 2CO (used as auxiliary contact)	S3C-H-S/H6R

* DSCC available from January 2025

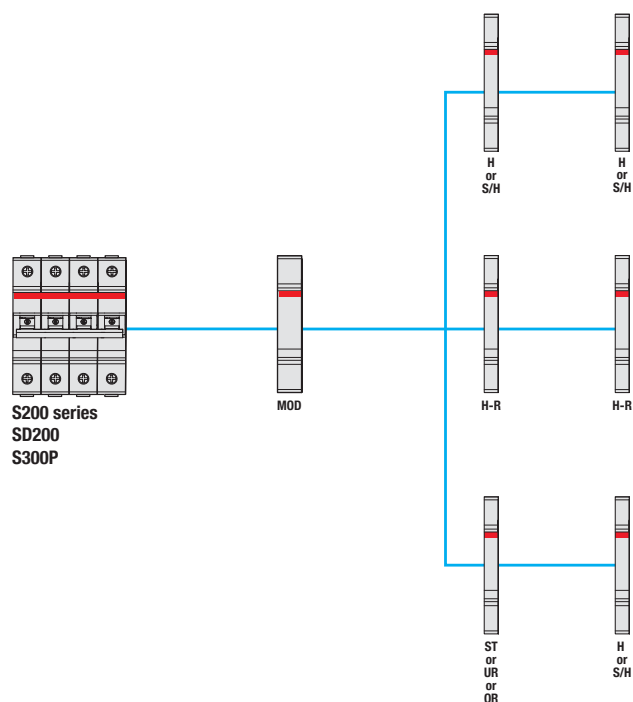
** S2C-UA can accept only one auxiliary or signal contact mounted after it

*** S3C-H-S/H6R available from January 2025

Auxiliary elements for MCBs, RCDs, AFDDs and Switch Disconnectors

Selection guide

Combination of S200/S300P/SD200 with motor operating device



H	Auxiliary contact	S2C-H6R
H-R	Auxiliary contact	S2C-H6-...R
S/H	Signal/Auxiliary contact	S2C-S/H6R
S/H (H)	Signal/Auxiliary contact used as auxiliary contact	S2C-S/H6R
ST	Shunt trip	S3C-A...
UR	Undervoltage release	S2C-UA
OR	Overvoltage release	S2C-OVP
MOD*	Motor operating device	S3C-MOD...

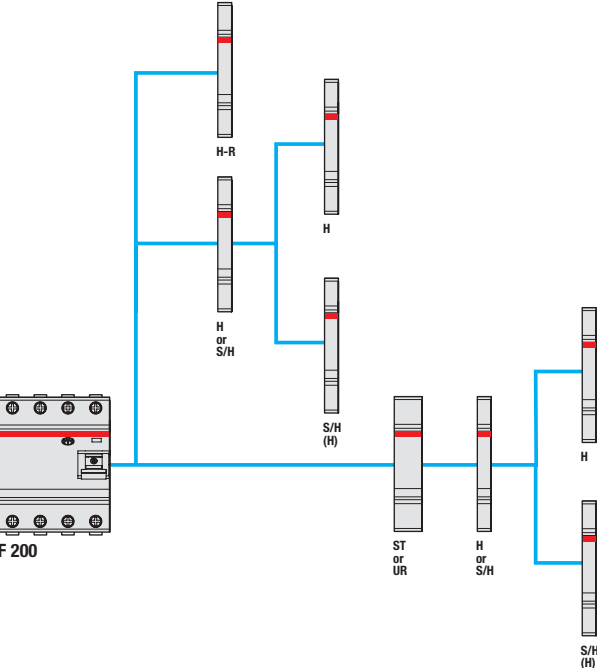
* In case of using S 200 coupled with DDA 200, MOD doesn't operate in case of earth-leakage fault

** Coupling with S204 or SD204 allowed only in case of DC supply for the MOD which operate at 24...48 V

Auxiliary elements for MCBs, RCDs, AFDDs and Switch Disconnectors

Selection guide

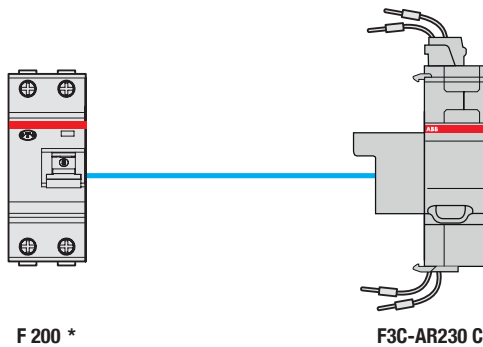
Combination of auxiliary elements with F200



H	Auxiliary contact	S2C-H6R
S/H	Signal/Auxiliary contact	S2C-S/H6R
S/H (H)	Signal/Auxiliary contact used as auxiliary contact	S2C-S/H6R
H-R	Auxiliary contact	S2C-H6-...R
UR	Undervoltage release	S2C-UA
OR	Overvoltage release	S2C-OVP
AR*	Auto reclosing unit	F3C-AR24 & F3C-AR230
MOD*	Motor operating device	S3C-MOD...
ST	Shunt trip	S3C-A...

* Please check that the scheme can be found in Combination of F200 (up to 100A), F200 B type (up to 63 A) and DS201 with motor operating device and Combination of F200 up to 100 A and F200 B type up to 63 A with Autoreclosing units page.

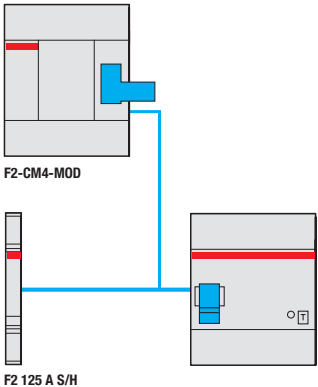
Combination of autoreclosing unit with system check



AR	Autoreclosing unit with system check	F3C-AR230 C
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* F 202 and F 204 30 mA or 100 mA (depending on model), max 63 A

Combination of auxiliary elements with F204 125 A, F200 B high ratings



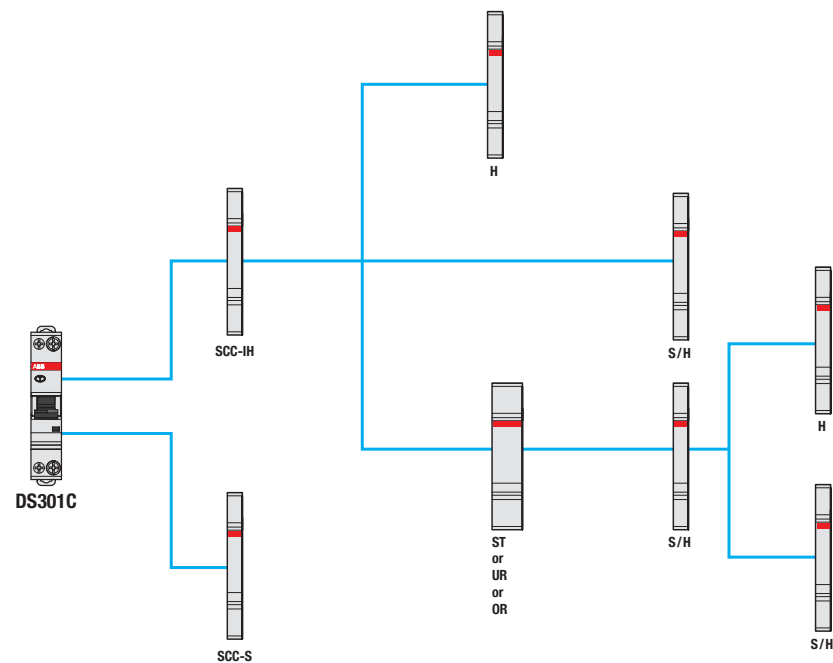
F2-125A-B-S/H	Signal/Auxiliary contact
F2-CM4-MOD	Motor operating device



Auxiliary elements for MCBs, RCDs, AFDDs and Switch Disconnectors

Selection guide

Combination of auxiliary elements with DS301C

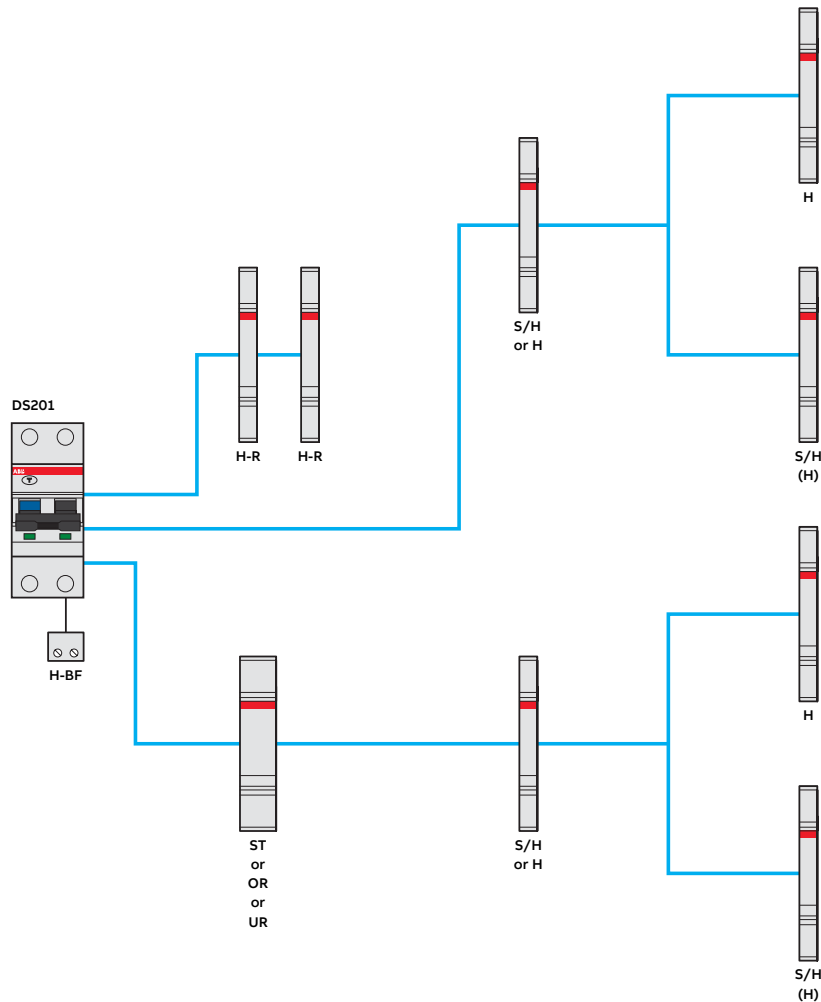


SCC-IH	Auxiliary slim range adapter	SCC-IH6R
SCC-S	Signal slim range adapter	SCC-S6R
H	Auxiliary contact	S2C-H6R
S/H	Signal/auxiliary contact	S2C-S/H6R
ST	Shunt trip	S3C-A
UR	Undervoltage release	S2C-UA
OR	Overvoltage release	S2C-OVP

Auxiliary elements for MCBs, RCDs, AFDDs and Switch Disconnectors

Selection guide

Combination of auxiliary elements with DS201, DS202C



H	Auxiliary contact	S2C-H6R
H-R	Auxiliary contact	S2C-H6-xxR
S/H	Signal / auxiliary contact	S2C-S/H6R
S/H (H)	Signal / auxiliary contact used as auxiliary contact	S2C-S/H6R
ST	Shunt Trip	S3C-A...
OR	Overvoltage release	S2C-OVP
UR	Undervoltage release	S2C-UA
H-BF	Auxiliary contact for bottom fitting (only DS201 (2019))	S2C-H01 / S2C-H10
MOD*	Motor operating device	S3C-MOD...

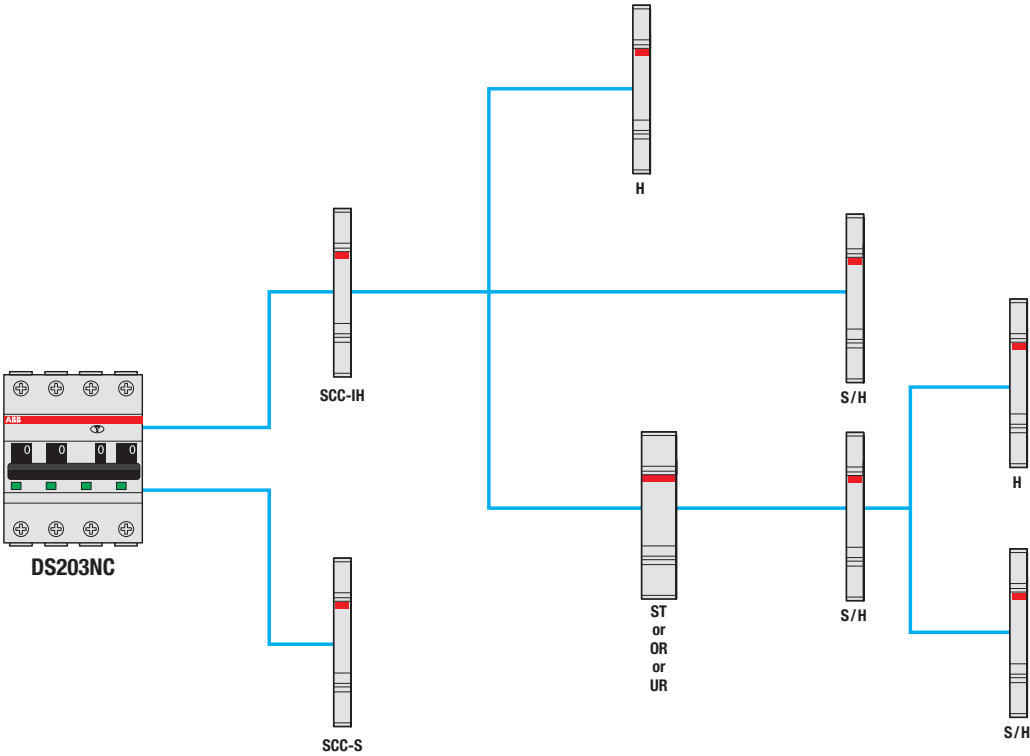
* Please check the scheme can be found in F200 B type up to 63 A with Autoreclosing units page.



Auxiliary elements for MCBs, RCDs, AFDDs and Switch Disconnectors

Selection guide

Combination of auxiliary elements with DS203NC

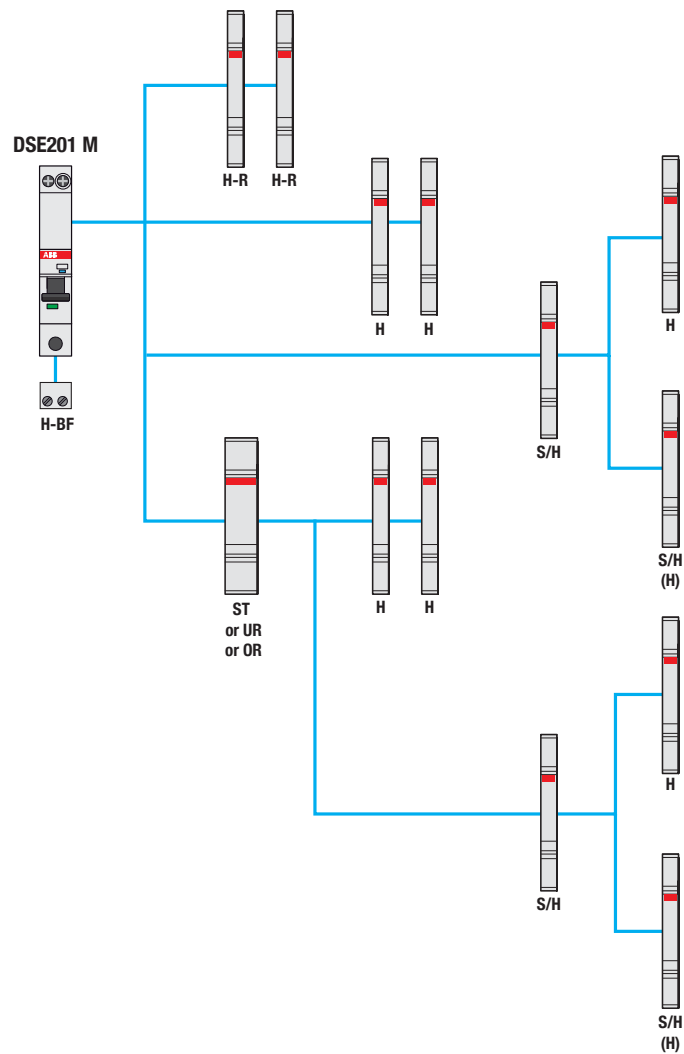


SCC-IH	Auxiliary slim range adapter	SCC-IH6R
SCC-S	Signal slim range adapter	SCC-S6R
H	Auxiliary contact	S2C-H6R
S/H	Signal/auxiliary contact	S2C-S/H6R
ST	Shunt trip	S3C-A...
UR	Undervoltage release	S2C-UA
OR	Overvoltage release	S2C-OVP

Auxiliary elements for MCBs, RCDs, AFDDs and Switch Disconnectors

Selection guide

Combination of auxiliary elements with DSE201 M

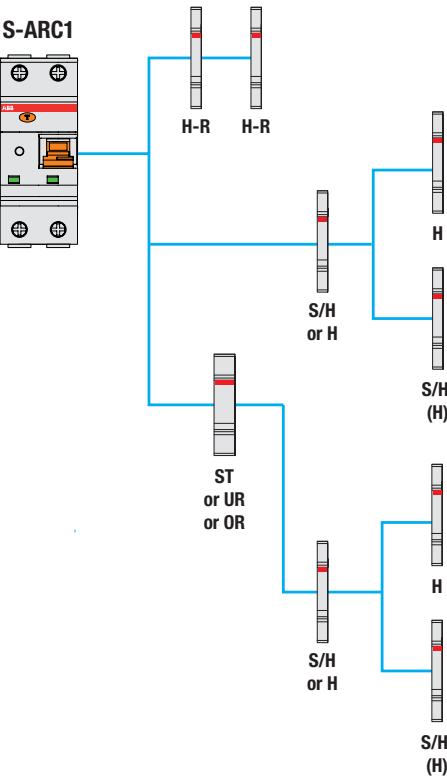


H	Auxiliary contact	S2C-H6R
H-R	Auxiliary contact	S2C-H6R / S2C-H6-xxR
S/H	Signal/Auxiliary contact	S2C-S/H6R
S/H (H)	Signal/Auxiliary contact used as auxiliary contact	S2C-S/H6R
ST	Shunt trip	S3C-A...
UR	Undervoltage release	S2C-UA
OR	Overvoltage release	S2C-OVP
H-BF	Auxiliary contact for bottom fitting	S2C-H01 / S2C-H10

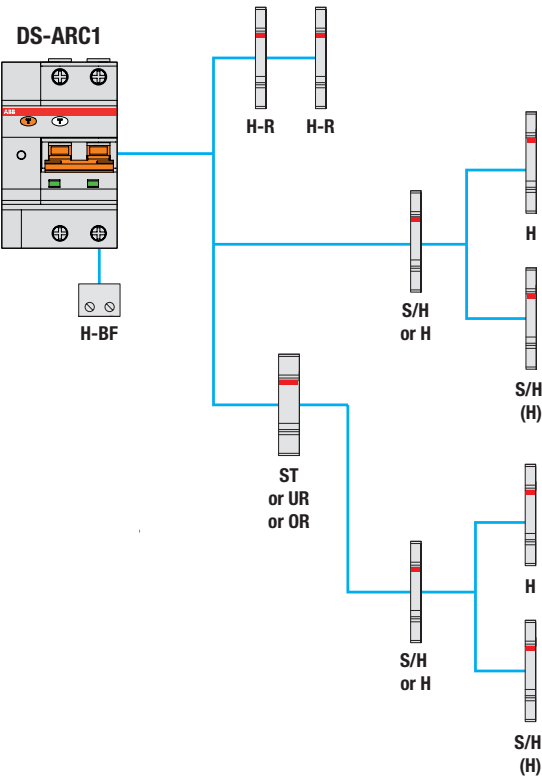
Auxiliary elements for MCBs, RCDs, AFDDs and Switch Disconnectors

Selection guide

Combination of auxiliary elements with S-ARC1 and S-ARC1M



Combination of auxiliary elements with DS-ARC1



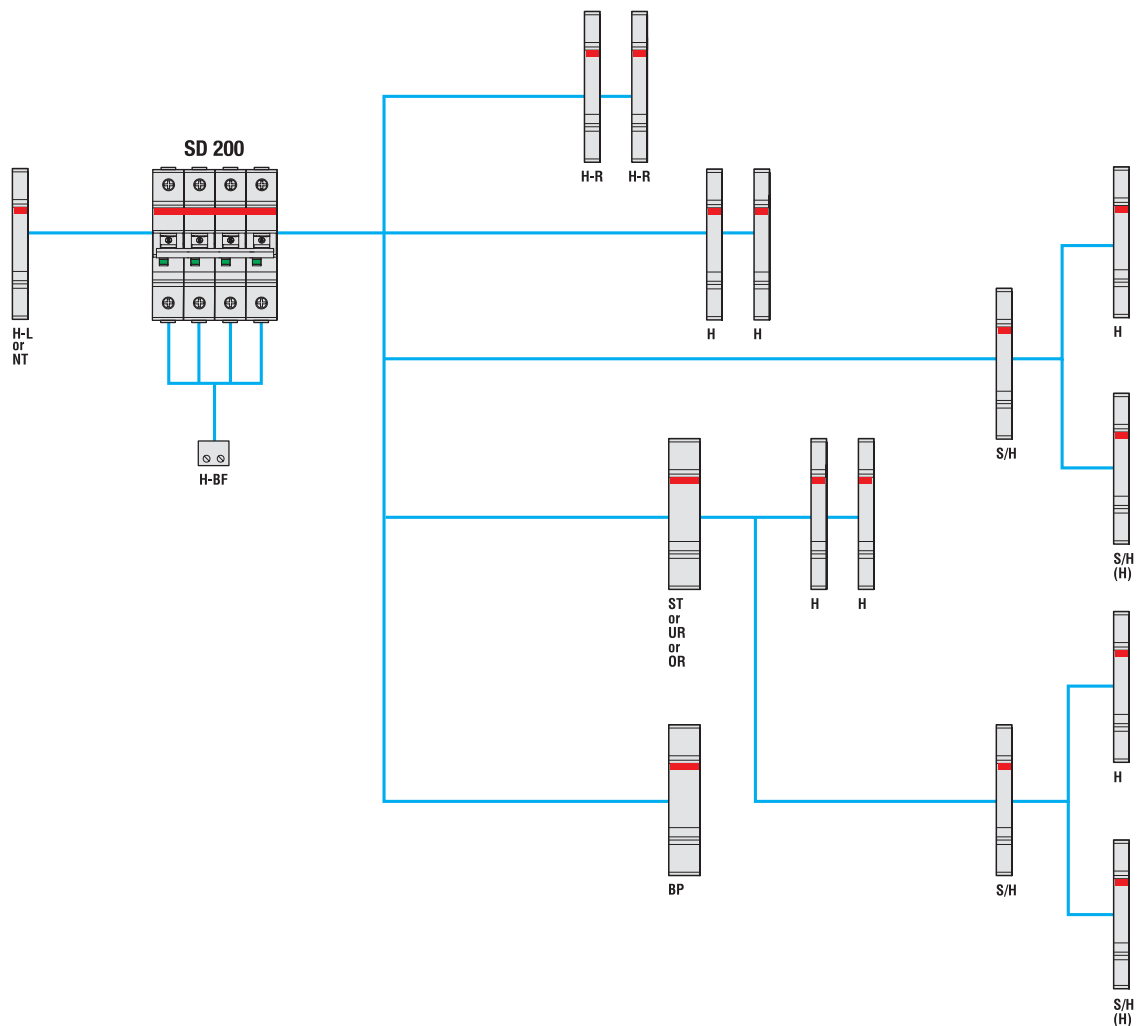
H	Auxiliary contact	S2C-H6R
H-R	Auxiliary contact	S2C-H6R / S2C-H6-xxR
S/H	Signal/Auxiliary contact	S2C-S/H6R
S/H (H)	Signal/Auxiliary contact used as auxiliary contact	S2C-S/H6R
ST	Shunt trip	S3C-A...
UR	Undervoltage release	S2C-UA
OR	Overvoltage release	S2C-OVP

H	Auxiliary contact	S2C-H6R
H-R	Auxiliary contact	S2C-H6R / S2C-H6-xxR
S/H	Signal/Auxiliary contact	S2C-S/H6R
S/H (H)	Signal/Auxiliary contact used as auxiliary contact	S2C-S/H6R
ST	Shunt trip	S3C-A...
UR	Undervoltage release	S2C-UA
OR	Overvoltage release	S2C-OVP
H-BF	Auxiliary contact for bottom fitting	S2C-H01/ S2C-H10

Auxiliary elements for MCBs, RCDS, AFDDs and Switch Disconnectors

Selection guide

Combination of auxiliary elements with SD200



H	Auxiliary contact	S2C-H6R
H-R	Auxiliary contact	S2C-H6-...R
S/H	Signal/Auxiliary contact	S2C-S/H6R
S/H (H)	Signal/Auxiliary contact used as auxiliary contact	S2C-S/H6R
NT	Switched neutral	S2C-Nt
OR	Overvoltage release	S2C-OVP
BP	Mechanical tripping device	S2C-BP
ST	Shunt trip	S3C-A...
UR	Undervoltage release	S2C-UA
MOD*	Motor operating device	S3C-MOD...

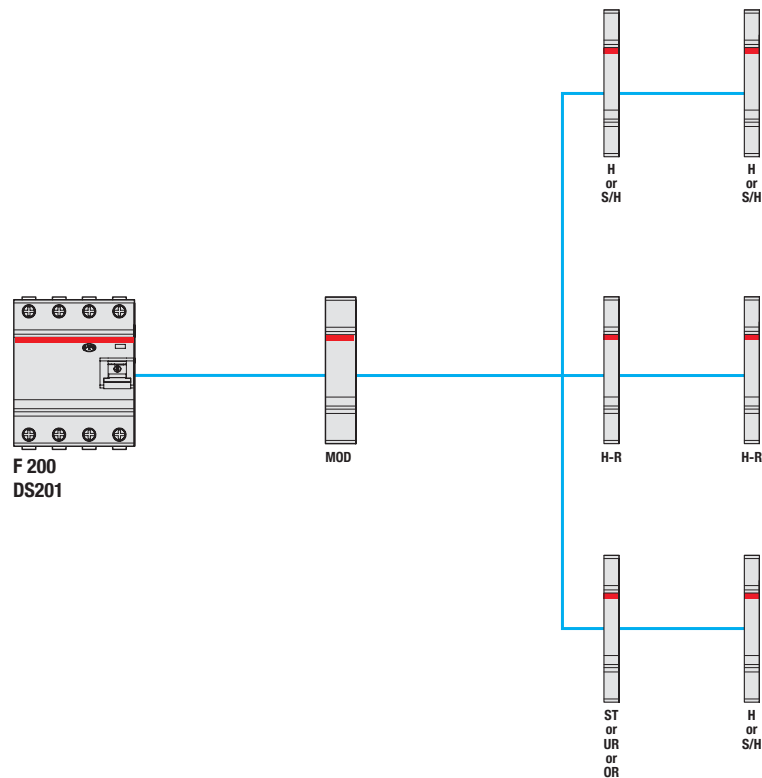
* Please check the scheme can be found in Combination of S200/S300P/SD200 with motor operating device page.



Auxiliary elements for MCBs, RCDs, AFDDs and Switch Disconnectors

Selection guide

Combination of F200 (up to 100A), F200 B type (up to 63 A) and DS201 with motor operating device



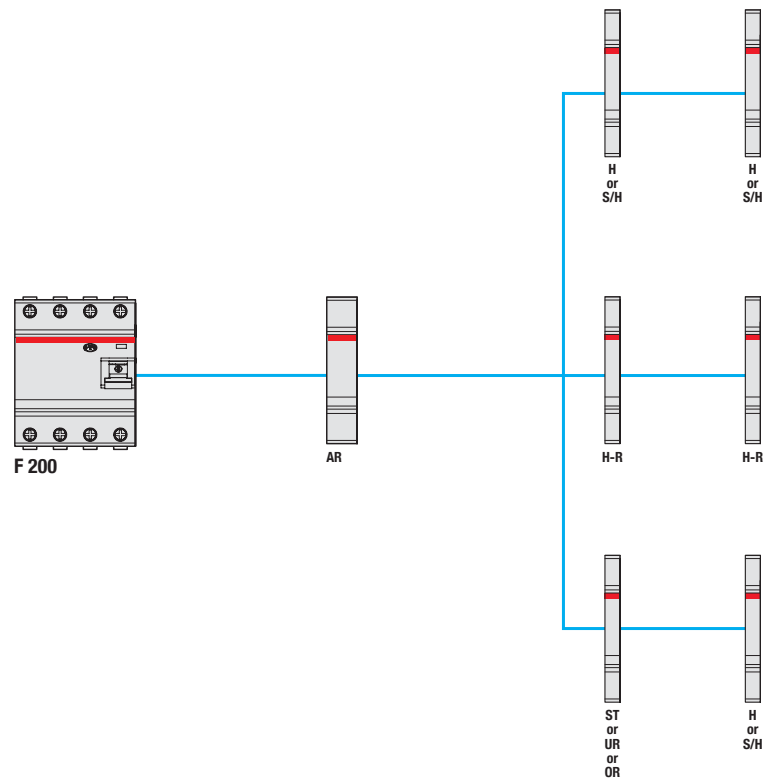
H	Auxiliary contact	S2C-H6R
H-R	Auxiliary contact	S2C-H6-xxR
S/H	Signal / auxiliary contact	S2C-S/H6R
S/H (H)	Signal / auxiliary contact used as auxiliary contact	S2C-S/H6R
ST	Shunt Trip	S3C-A...
OR	Oversvoltage release	S2C-OVP
UR	Undervoltage release	S2C-UA
MOD*	Motor operating device	S3C-MOD...

* Accessory combination is not allowed for DS201

Auxiliary elements for MCBs, RCDs, AFDDs and Switch Disconnectors

Selection guide

Combination of F200 up to 100 A and F200 B type up to 63 A with Autoreclosing units



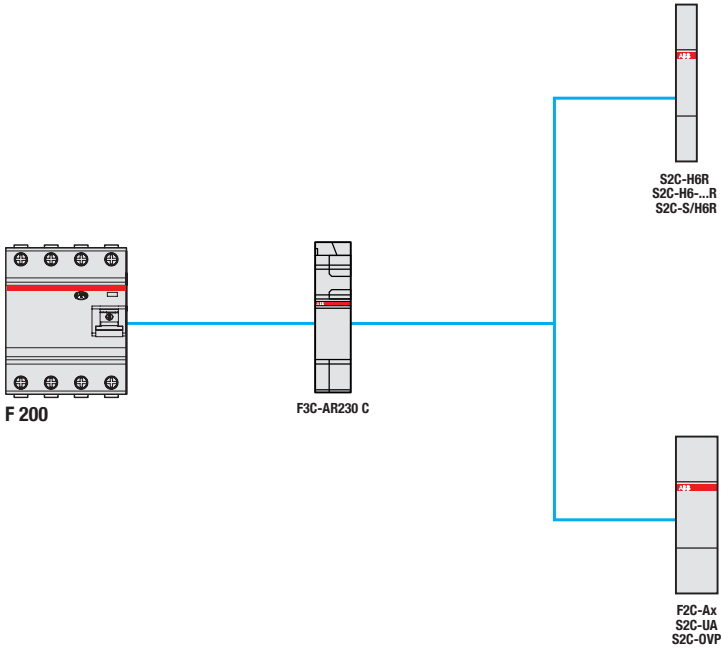
H	Auxiliary contact	S2C-H6R
H-R	Auxiliary contact	S2C-H6-xxR
S/H	Signal / auxiliary contact	S2C-S/H6R
S/H (H)	Signal / auxiliary contact used as auxiliary contact	S2C-S/H6R
ST	Shunt Trip	S3C-A...
OR	Overvoltage release	S2C-OVP
UR	Undervoltage release	S2C-UA
AR	Auto re-closing units	F3C-AR...



Auxiliary elements for MCBs, RCDs, AFDDs and Switch Disconnectors

Selection guide

Combination of F200 up to 100A, F200 B type up to 63A and VY (A, S, B type) with Auto reclosing units system check



H	Auxiliary contact	S2C-H6R
H-R	Auxiliary contact	S2C-H6-xxR
S/H	Signal / auxiliary contact	S2C-S/H6R
S/H (H)	Signal / auxiliary contact used as auxiliary contact	S2C-S/H6R
ST	Shunt Trip	S3C-A...
OR	Overvoltage release	S2C-OVP
UR	Undervoltage release	S2C-UA
AR	Auto reclosing units with system check	F3C-AR230 C

Auxiliary elements for MCBs, RCDs, AFDDs and Switch Disconnectors

Auxiliary and signal contacts



Auxiliary elements

Auxiliary contact and signal/auxiliary contact		
S2C-S/H6R, S2C-H6R, S2C-H11L, S2C-H20L and S2C-H02L		
Suitable for		MCBs S200 series, S300P, SN201, RCDs F200, DS200, DS201-DS202C, DS203NC, DSE201M, AFDDs S-ARC1, DS-ARC1 and Switch disconnectors SD200
Utilization category		AC14 1A/400V, 2A/230V - DC12 1A/220V, 1.5A/110V - DC13 2A/60V, 4A/24V
Conventional free air thermal current	A	10
Rating according UL1077 /CSA22-3 No. 235*		1A/480VAC, 2A/277VAC, 1.5A/125VDC, 2A/60VDC, 4A/24VDC
Min. operational current/voltage*		10 mA at 12 V; 5 mA at 24 V
Rated conditional short-circuit current	V	230 V AC 1,000 A with S201 K4
Overvoltage category		III
Rated impuls withstand voltage (1.2/50µs)	kV	4
Cross-section of conductors	mm ²	0.75...2.5 (up to 2 x 1.5 mm ² for S2C-H11L, S2C-H20L and S2C-H02L)
Tightening torque	Nm	1.2 (max. 0.8 for S2C-H11L, S2C-H20L and S2C-H02L)
Contact stability in vibration test according to IEC/EN 60 068-2-6		5g, 20 sweep cycles 5...150...5 Hz at 24 V AC/DC, 5 mA automatic reclosing < 10 ms
Mechanical service life		10000 operations
Dimensions (H x D x W)	mm	85 x 69 x 8.8

* Valid only for S2C/H6R, S2C-HR

Auxiliary contact and signal/auxiliary contact		
S2C-H6-11R, S2C-H6-20R, S2C-H6-02R		
Suitable for		MCBs S200 series, S300P, SN201, RCDs F200, DS200, DS201-DS202C, DS203NC, DSE201M, AFDDs S-ARC1, DS-ARC1 and Switch disconnectors SD200
Utilization category		AC14: 1A/400V, 2A/230V DC12/DC13: 1A/50V, 2A/30V
Conventional free air thermal current	A	10
Min. rated operational current/voltage*		10 mA at 12 V; 5 mA at 24 V
Rated conditional short-circuit current	V	230 V AC 1,000 A with S201 K4
Overvoltage category		III
Rated impuls withstand voltage (1.2/50µs)	kV	4
Cross-section of conductors	mm ²	0.75...2.5
Tightening torque	Nm	1.2
Contact stability in vibration test according to IEC/EN 60068-2-6		5g, 20 sweep cycles 5...150...5 Hz at 24 V AC/DC, 5mA automatic reclosing < 10 ms
Mechanical service life		10000 operations
Dimensions (H x D x W)	mm	85 x 69 x 8.8

* ensures safe contacting without current interruption by pollution layer

Auxiliary elements for MCBs, RCDs, AFDDs and Switch Disconnectors

Auxiliary and signal contacts



S2C-S/H6R



S2C-H6...

Signal/auxiliary contacts

Signal contacts indicate if a device tripped due to a failure (overcurrent/short-circuit for MCBs and RCBOs; earth fault for RCCBs and RCBOs). Auxiliary contacts indicate the position of the contacts, independent if a failure occurred or the device was operated manually.

S2C-S/H6R: choice through a selector between signal and auxiliary contact.

S2C-H6R and S2C-HxxR: Auxiliary contacts with contact configuration according the following table. All right-side mounted contacts are suitable for MCBs, RCDs, AFDD and switch disconnectors SD200 according the “Selection tables” which are displayed in the beginning of chapter 4.

S2C-HxxL: Auxiliary contacts with contact configuration according the following table. These contacts are left-side mounted and fit to S200 MCBs and switch disconnectors SD200 according the “Selection tables” which are displayed in the beginning of chapter 4. Especially when using a motor operating device this is a possibility to add a contact as the right side mounted ones do not fit within this combination.

S2C-Hxx: Unique bottom-fitting contact for the S200 compact range, DS201 (2019), DSE201M and SD200 switch disconnectors. Simple and space-saving solution. Also intended for retrofitting.

Description	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
	EAN	Type code	Order code		kg	pc.
Signal contact/ auxiliary switch 1CO	563819	S2C-S/H6R	2CDS200922R0001		0.04	1
Auxiliary contact 1CO	563826	S2C-H6R	2CDS200912R0001		0.04	1
Auxiliary contact 1NO/1NC	697941	S2C-H6-11R	2CDS200946R0001		0.04	1
Auxiliary contact 2NO	697958	S2C-H6-20R	2CDS200946R0002		0.04	1
Auxiliary contact 2NC	697965	S2C-H6-02R	2CDS200946R0003		0.04	1

Auxiliary contacts mounting on the left side

Description	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
	EAN	Type code	Order code		kg	pc.
Auxiliary contact 1 NO/1NC	648820	S2C-H11L	2CDS200936R0001		0.04	1
Auxiliary contact 2 NO	648837	S2C-H20L	2CDS200936R0002		0.04	1
Auxiliary contact 2 NC	648844	S2C-H02L	2CDS200936R0003		0.04	1

Auxiliary contacts ring tongue version

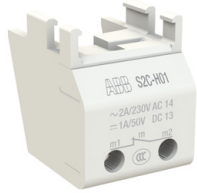
Function: remote reporting of the open or closed state of the switch to which they are coupled in case of voltage application. Applications: rolling stock.



Description		Order details		Weight 1 piece Kg	Pack unit pc.
		Type	Order Code		
To be mounted on the left side	1 NO contact + 1 NC contact	S2C-H11 T Aux	2CSS207033R1119	0,04	1
	2 NC contacts	S2C-H02 T Aux	2CSS207033R1029	0,04	1
	2 NO contacts	S2C-H20 T Aux	2CSS207033R1209	0,04	1

Auxiliary elements for MCBs, RCDs, AFDDs and Switch Disconnectors

Auxiliary and signal contacts



S 2C-H01

Bottom-fitting auxiliary contact		
S2C-H10 and S2C-H01		
Suitable for		MCBs S200 series, S300P, RCDs DS201, DSE201M, AFDDs DS-ARC1 and Switch disconnectors SD200
Conventional free air thermal current	A	7.5
Utilization category		AC14 2A/230V - DC 12 identical DC13 1A /50V, 2A/30V
Min. operational current/voltage*	V	10 mA at 12 V AC/DC
Rated conditional short-circuit current		230 VAC 1000 A, fault protection with S 201-K2 or Z2
Tightening torque	Nm	0.5
Cross-section of conductors	mm ²	0.75 to 2.5
Mechanical service life		4 000 operations
Dimensions (HxDxW)	mm	19 x 17 x 17.5

* ensures safe contacting without current interruption by pollution layer

Bottom-fitting auxiliary contacts for S 200, S 200 M, S 200 P, S 300 P, S 200 S, SD 200, DS201 (2019), DSE201 M, DS-ARC1

Description	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
		EAN	Type code	Order code	kg	pc.
1 NC		065108	S 2C-H01	2CDS200970R0031	0.01	1
1 NO		065139	S 2C-H10	2CDS200970R0032	0.01	1

packing unit 15 parts

Description	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
		EAN	Type code	Order code	kg	pc.
1 NC		065160	S 2C-H01 15x	2CDS200970R0041	0.01	15
1 NO		065191	S 2C-H10 15x	2CDS200970R0042	0.01	15



HKB

Auxiliary contact bridge for bottom-fitting auxiliary contacts

Wire jumper for integrated auxiliary contact S2C-H01/S2C-H10 for series connections (HKB) or parallel connections (HKB1).

Description	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
		EAN	Type code	Order code	kg	pc.
1/2 mod.		523134	HKB	GHV0360504R0100	0.001	1000
1 mod.		524209	HKB 1	GHV0360504R0101	0.001	1000

Auxiliary elements for MCBs, RCDs, AFDDs and Switch Disconnectors

Auxiliary and signal contacts



SCC-IH



SCC-S

Suitable for	DS301C, DS203NC, SN201	
Mounting		right side
Dimension	mm	85 x 67.7 x 8.8
Contact function		1 CO
Number of contacts		1 aux or 1 signal
Test button		SCC-IH6R: no; SCC-S6R: yes
Conventional free air thermal current I _{th}	A	10
Minimum operational current / voltage		10mA at 12V AC/DC 5mA at 24V AC/DC
Rated short circuit capacity		230V AC 1000A with SN201 C6 415V AC 1000A with S200C C4 230/ 415V AC 1000A with Fuse 10 A gG
Rated insulation voltage U _i	V	415 V
Rated impulse withstand voltage U _{imp}	kV	6
Pollution degree		3
Overvoltage category		III
Cross-section of conductors	mm ²	0.75...2.5 2 x 1.5
Tightening torque	Nm	max 1.0
Vibration resistance		IEC 60068-2-6 5g, 20 cycles 5...150...5Hz at 24V AC/DC, 5mA short-term interruption <10ms
Mechanical endurance		20000 switching cycles
Operation ambient temperature	°C	-25...+55
Storage temperature	°C	-40...+70
Standards		IEC 60947-5-1 GB14048.5
Utilization categories according to IEC 60947-5-1		AC14, 415/ 400 V, 3A AC14, 240/ 230 V, 6A DC12, 220V, 1A DC12, 110V, 1.5A DC13, 60V, 1.5A DC13, 24V, 4A

Description	Bbn 4053546	Order details		Price 1 piece	Weight 1 piece	Pack unit
	EAN	Type code	Order code	kg	pc.	
Adaptor / Auxiliary Contact 1CO	117196	SCC-IH6R	2CDS200933R0002	0.032	1	
Signal Contact 1CO	117219	SCC-S6R	2CDS200933R0004	0.032	1	

Signal and auxiliary contacts for F 200 125A and F 200 B 80-100 A

F2 125A-S/H			
Rated current	AC	A	6
	DC	A	1
Min. rated voltage U _{b min}	AC	V	230
	DC	V	110
Connection cross section		mm ²	1...1.5
Tightening torque		Nm	0.8
Dimensions (H x D x W)		mm	85 x 69 x 8.8

Auxiliary/Signal contact for F 200 125A and F 200 B 80-100 A

Function: choice through a selector between indication of the position of the device's contacts and signalling of the earth fault. Suitable for RCCBs F 200 125A and F 200 B 80-100 A series

Description	Bbn 8012542	Order details		Price 1 piece	Weight 1 piece	Pack unit
	EAN	Type code	Order code	kg	pc.	
Auxiliary/Signal contact 1CO+1NC	600527	F2-125A-B-S/H	2CSF200922R0001	0.04	1	

Clamping cover for F200 125A-F200 B type

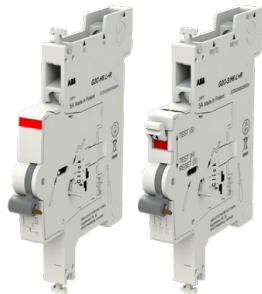
Description	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
	EAN	Type code	Order code	kg	pc.	
	999638	CPV B	2CSF200988R0001		1	



F2-125A-B-S/H

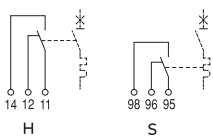
Auxiliary elements for MCBs, RCDS, AFDDs and Switch Disconnectors

Auxiliary and signal contacts



G2C

G2C-S



H

S

G2C: Auxiliary and signal contact

Auxiliary (H):

Provides the status of the protection device, OPEN/CLOSED.

Auxiliary or signal (S/H):

This device can act as an auxiliary contact (function H) or as a signal contact (function S).

The user can change the function at the moment of installation.

Used as signal contact (function S) it provides the information about the automatic tripping of the protection devices: overload or short-circuit for MCBs, earth leakage tripping for RCDS.

- Test button on the front to simulate the function (acting as a function H or S)
- Reset button for the contacts (function S)
- Tripping signal on the front (function S)
- Version with golden contacts, available for low current as well as low voltage applications.

Mounting:

on the left or right, up to 4 G2C units (On S203C accepted only on the left)

Performances

Suitable for	MCBs S200C and RCBOs DS202CR
Product standard	IEC/EN 62019
Change-over contacts	1
Rated current I_n (A)	5
Rated voltage AC U_n (V)	240
Minimum application voltage	24 V AC/DC; 12 V AC/DC for version with golden contacts
Minimum application current	10 mA AC; 200 mA DC -- 2 mA AC; 25 mA DC for version with golden contacts
Electrical endurance (operations)	10000
Terminal capacity flexible/rigid cable (mm ²)	0.75...2.5 / 1...2.5
Terminal capacity for two rigid cables (mm ²)	2 × 1.5
Dimension [D×W×H] (mm)	69 × 8.7 × 92
Net weight (g)	70
Tightening torque (Nm)	0.5

Ordering code

Type	Bbn 4053546 EAN	Order details		Weight 1 piece kg	Pack unit pc.
		Type code	Order code		
Auxiliary (H)	046427	G2C-H6 L+R	2CDS200931R0001	0.07	1
Auxiliary or signal (S/H)	046434	G2C-S/H6 L+R	2CDS200932R0001	0.07	1
Auxiliary or signal golden contact (S/H G)	046441	G2C-S/H6 L+R KL	2CDS200932R0011	0.07	1

Auxiliary elements for MCBS, RCDs, AFDDs and Switch Disconnectors

Shunt trip



S3C-A1

Shunt trip for MCBs, RCDs, AFDDs and Switch Disconnectors										
			S3C-A1							
Rated voltage	AC	V	12...110							
	DC	V	12...110							
Max release duration		ms	<10 @ Rated voltage							
Min. release voltage	AC	V	8.4							
	DC	V	10							
Power consumption	Ub	V	12 VDC	12 VAC	24 VDC	24 VAC	60 VDC	60 VAC	110 VDC	110 VAC
	Ib _{max} /A	A	2.8	3.3	5.3	6.2	14	15	25.3	25
Coil resistance		Ω	4							
Tightening torque		Nm	0.8							
Dimensions (H x D x W)		mm	85 x 74.1 x 17.4							
Standards:			UL1077							
Operating temperature			-25°C...+55°C							
Storage temperature			-40°C...+70°C							
Cross-section of conductors			0,75mm²...2.5mm², 2 wires max. 2x1,5mm²							
Stripping length of cable			7...8mm							
			S3C-A2							
Rated voltage	AC	V	110...415							
	DC	V	110...250							
Max release duration		ms	<10 @ Rated voltage							
Min. release voltage	AC	V	77.0							
	DC	V	77.0							
Power consumption	Ub	V	110 VDC	110 VAC	220 VDC	230 VAC	250 VDC	415 VAC		
	Ib _{max} /A	A	0.5	0.7	1.1	1.5	1.2	2.5		
Coil resistance		Ω	210							
Tightening torque		Nm	0.8							
Dimensions (H x D x W)		mm	85 x 74.1 x 17.4							
Standards:			UL1077							
Operating temperature			-25°C...+55°C							
Storage temperature			-40°C...+70°C							
Cross-section of conductors			0,75mm²...2.5mm², 2 wires max. 2x1,5mm²							
Stripping length of cable			7...8mm							

Shunt trips

Function: remote opening of the device when a voltage is applied. Suitable for MCBS S 200 series, S 300P series, RCCBs F 200 series, RCBOs DS201, DS301C, DSE201 M, AFDD S-ARC1, DS-ARC1 series, SD 200 switch disconnectors series. It can be used with MCBS SN201 and RCBOs DS203NC series by means of SN201-IH interface module. It can be used with MCBS SN201 and RCBOs DS203NC, DS301C series by means of SCC-IH6R/SCC-S6R.

Shunt trips use a coil like MCBS for tripping. To trip a shunt it is necessary to choose the right voltage and make sure the corresponding Ib_{max} (as mentioned in the table above) is provided by the power supply used. If the power supply can provide higher currents the shunt trip will reduce the current to Ib_{max} due to its internal resistance.

As soon as the shunt tripped, the contact inside is open – the electrical circuit is disconnected even if the shunt trip is still powered on. The free-tripping mechanism of the shunt trip allows a restart of the main protection device only after the shunt trip gets no external release signal anymore.

Rated voltage	Bbn 4053546	Order details		Price 1 piece	Weight 1 piece	Pack unit
		EAN	Type code	Order code	kg	pc.
AC/DC 12...110 V	116625	S3C-A1	2CDS200982R0001	0.06		1
AC 110...415 V/DC110...250 V	116663	S3C-A2	2CDS200982R0002	0.06		1

Auxiliary elements for MCBs, RCDs, AFDDs and Switch Disconnectors

Shunt trip



S3C-A1L

Shunt trip for S200 and S300P MCBs										
S3C-A1L										
Rated voltage	AC	V	12...110							
	DC	V	12...110							
Max release duration		ms	<10 @ Rated voltage							
Min. release voltage	AC	V	8.4							
	DC	V	10							
Power consumption	Ub	V	12 VDC	12 VAC	24 VDC	24 VAC	60 VDC	60 VAC	110 VDC	110 VAC
	Ib _{max} /A	A	2.8	3.3	5.3	6.2	14	15	25.3	25
Coil resistance		Ω	4							
Tightening torque		Nm	0.8							
Dimensions (H x D x W)		mm	85 x 74.1 x 17.4							
Standards:			UL1077							
Operating temperature			-25°C...+55°C							
Storage temperature			-40°C...+70°C							
Cross-section of conductors			0,75mm²...2.5mm², 2 wires max. 2x1,5mm²							
Stripping length of cable			7...8mm							
S3C-A2L										
Rated voltage	AC	V	110...415							
	DC	V	110...250							
Max release duration		ms	<10 @ Rated voltage							
Min. release voltage	AC	V	77.0							
	DC	V	77.0							
Power consumption	Ub	V	110 VDC	110 VAC	220 VDC	230 VAC	250 VDC	415 VAC		
	Ib _{max} /A	A	0.5	0.7	1.1	1.5	1.2	2.5		
Coil resistance		Ω	210							
Tightening torque		Nm	0.8							
Dimensions (H x D x W)		mm	85 x 74.1 x 17.4							
Standards:			UL1077							
Operating temperature			-25°C...+55°C							
Storage temperature			-40°C...+70°C							
Cross-section of conductors			0,75mm²...2.5mm², 2 wires max. 2x1,5mm²							
Stripping length of cable			7...8mm							

Function: remote opening of the device when a voltage is applied.

Suitable for MCBs S 200 series, S 300P series.

Rated voltage	Bbn 4053546	Order details		Price 1 piece	Weight 1 piece	Pack unit
		EAN	Type code	Order code	kg	pc.
AC/DC 12...110V	116700	S3C-A1L	2CDS200981R0001		0.06	1
AC 110...415V / DC 110...250V	116748	S3C-A2L	2CDS200981R0002		0.06	1

Auxiliary elements for MCBS, RCDs, AFDDs and Switch Disconnectors

Undervoltage release



S2C-UA

Undervoltage release							
			S2C-UA 12 DC	S2C-UA 24 AC	S2C-UA 24 DC	S2C-UA 48 AC	S2C-UA 48 DC
Suitable for			MCBs S200 series, S300P, SN201, RCDs F200, DS200, DS201-DS202C, DS203NC, DSE201M, AFDDs S-ARC1, DS-ARC1 and Switch disconnectors SD200				
Standards			IEC/EN 60947-1				
Rated voltage	AC	V	24		48		
	DC	V	12	24		48	
Frequency		Hz	50...60				
Release trip		V	0.35 Un ≥ V ≥ 0.7 Un				
Terminals		mm²	2x1.5				
Consumption		VA	2.2	3.6	2	3.6	2.1
Resistance to corrosion		°C/RH	constant atmosphere: 23/83 - 40/93 - 55/20; variable atmosphere: 25/95 - 40/93				
Protection degree			IPXXB/IP2X				
Tightening torque		Nm	0.4				
Dimensions (H x D x W)		mm	85 x 69 x 17.5				
			S2C-UA 110 AC	S2C-UA 110 DC	S2C-UA 230 AC	S2C-UA 230 DC	S2C-UA 400 AC
Standards			IEC/EN 60947-1				
Rated voltage	AC	V	110	230		400	
	DC	V	110		230		
Frequency		Hz	50...60				
Release trip		V	0.35 Un M V M 0.7 Un				
Terminals		mm²	2x1.5				
Consumption		VA	3.5	2.2	3.7	2.3	2.4
Resistance to corrosion		°C/RH	constant atmosphere: 23/83 - 40/93 - 55/20; variable atmosphere: 25/95 - 40/93				
Protection degree			IPXXB/IP2X				
Tightening torque		Nm	0.4				
Dimensions (H x D x W)		mm	85 x 69 x 17.5				

Undervoltage releases

Function: protection of the load in the event of a voltage drop (between 70% and 35% of its rated value); positive safety (device's tripping when the voltage is disconnected) emergency stop by means of a button. Suitable for MCBS S 200 series, RCCBs F200 series SCC-IH6R and RCBOs DS202C, DSE201M, AFDD S-ARC1 series, DS 200 series, SD 200 switch disconnectors series. It can be used with MCBS SN201 and RCBOs DS203NC series by means of SN201-IH interface module.

Rated voltage	Bbn 8012542	Order details		Price 1 piece	Weight 1 piece	Pack unit
		EAN	Type code	Order code	kg	pc.
12VDC	839705	S2C-UA 12 DC	2CSS200911R0001	0.09	1	
24VAC	839804	S2C-UA 24 AC	2CSS200911R0002	0.09	1	
24VDC	896401	S2C-UA 24 DC	2CSS200911R0007	0.09	1	
48VAC	839903	S2C-UA 48 AC	2CSS200911R0003	0.09	1	
48VDC	896500	S2C-UA 48 DC	2CSS200911R0008	0.09	1	
110VAC	840008	S2C-UA 110 AC	2CSS200911R0004	0.09	1	
110VDC	896609	S2C-UA 110 DC	2CSS200911R0009	0.09	1	
230VAC	840107	S2C-UA 230 AC	2CSS200911R0005	0.09	1	
230VDC	896708	S2C-UA 230 DC	2CSS200911R0010	0.09	1	
400VAC	840206	S2C-UA 400 AC	2CSS200911R0006	0.09	1	

Auxiliary elements for MCBS, RCDs, AFDDs and Switch Disconnectors

Overvoltage release



S2C-OVP

Overvoltage release			
		S2C - OVP2	S2C - OVP1
Suitable for		MCBs S200 series, S300P, SN201, RCDs F200, DS200, DS201-DS202C, DS203NC, DSE201M, AFDDs S-ARC1, DS-ARC1 and Switch disconnectors SD200	
Rated voltage	VAC	230	
Rated frequency	Hz	50	
Max non-tripping voltage AC	V	253	
Max tripping voltage AC	V	290	275
Tripping time	@ 290V AC	s	t<1
	@ 380V AC	s	t<0.1
Peak current	@ 315V AC	A	1
	@ 440V AC	A	1.8
Max duration of impulse command	ms	7	
Operating temperature	°C	-5....+40	

Overvoltage release

Function: monitoring voltage between the neutral and phase; when an overvoltage reaches the threshold value, the OVP device causes the tripping of the associated MCB or RCCB. Suitable for MCBS of the S200 series up to 63 A, and RCCBs of the F200 series up to 100 A and RCBOs DS201, SCC-IH6R, DS201 (2019), DS202C, DSE201M, AFDD S-ARC1 series, Suitable for SD 200 switch disconnectors series. It can be used with MCBS SN201 and RCBOs DS203NC series by means of SN201-IH interface module.

Description	Bbn 8012542	Order details		Price 1 piece	Weight 1 piece	Pack unit
		Type code	Order code			
Overvoltage release (max tripping voltage AC: 275V)	748137	S2C-OVP1	2CSS200910R0005		0.100	1/5
Overvoltage release (max tripping voltage AC: 290V)	952039	S2C-OVP2	2CSS200993R0005		0.100	1/5

Auxiliary elements for MCBs, RCDs, AFDDs and Switch Disconnectors

Auxiliary and signal contacts for UL applications



S 2C-S6R U



S 2C-H6R U

Auxiliary contact and signal contact		
S2C-H6R U, S2C-S6RU		
Suitable for	S 200 U/S 200 UP/S 200 UDC	
Rating according UL 489 / CSA22-2 No.5	1A / 480 VAC 2A / 277 VAC 1.5 A / 125 VDC 2A / 60 VDC 4 A / 24 VDC	
Conventional free air thermal current	A	10
Min. operational current/voltage*	10 mA at 12 V; 5 mA at 24 V	
Rated conditional short-circuit current	V	230 V AC 1,000 A with S201 K4
Overvoltage category	III	
Rated impuls withstand voltage (1.2/50µs)	kV	4
Cross section of conductors	mm ²	0.75...2.5
Tightening torque	Nm	1.2
Contact stability in vibration test according to IEC/EN60068-2-6	5g, 20 sweep cycles 5...150...5 Hz according to DIN IEC 68-2-6 at 24 V AC/DC, 5 mA automatic reclosing < 10 ms	
Mechanical service life	10000 operations	
Dimensions (H x D x W)	mm	100 x 69 x 8.8

* ensures safe contacting without current interruption by pollution layer.

Auxiliary contact					
Description	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece
		Type code	Order code		Pack unit
	EAN			kg	pc.
only for range U/UP/UDC	615617	S 2C-H6R U	2CDS200914R0001	0.035	1

Signal contact					
Description	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece
		Type code	Order code		Pack unit
	EAN			kg	pc.
only for range U/UP/UDC	615624	S 2C-S6R U	2CDS200924R0001	0.035	1

Auxiliary elements for MCBs, RCDs, AFDDs and Switch Disconnectors

Shunt trip for UL applications



S 2C-A1 U

Shunt trip								
			S2C-A1 U					
Suitable for			S 200 U/S 200 UP/S 200 UDC					
Rated voltage	AC	V	12...60					
	DC	V	12...60					
Max release duration		ms	<10					
Min. release voltage	AC	V	8.4					
	DC	V	10					
Power consumption	Ub	V	12 VDC	12 VAC	24 VDC	24 VAC	60 VDC	60 VAC
	Ib _{max} /A	A	3.4	3.4	6.5	6.5	16.5	16.5
Coil resistance		Ω	3.7					
Terminals			Fale-safe bi-directional cylinder-lift-terminal					
Tightening torque		Nm	2.8					
Dimensions (H x D x W)		mm	111 x 69 x17.5					
S2C-A2 U								
Rated voltage	AC	V	110...415					
	DC	V	110...250					
Max release duration		ms	<10					
Min. release voltage	AC	V	8.4					
	DC	V	10.0					
Power consumption	Ub	V	110 VDC	110 VAC	220 VDC	230 VAC	415 VAC	
	Ib _{max} /A	A	0.5	0.5	1.1	1.1	2.1	
Coil resistance		Ω	225					
Terminals			Fale-safe bi-directional cylinder-lift-terminal					
Tightening torque		Nm	2.8					
Dimensions (H x D x W)		mm	111 x 69 x 17.5					

Shunt trip						
Description	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece	Pack unit
		EAN	Type code			
12 - 60 V AC/DC	64472 3	S 2C-A1 U	2CDS200908R0001		0.15	1
110-415 V AC,110-250V DC	64473 0	S 2C-A2 U	2CDS200908R0002		0.15	1

Auxiliary elements and accessories for MCBs and RCDs

Shunt trip for S 200 and S 300 P series



S2C-A

Shunt trip for S 200 MCBs

S2C-A1T (L)								
Rated voltage	AC	V	12...110					
	DC	V	12...110					
Max release duration		ms	<10					
Min. release voltage	AC	V	8.4					
	DC	V	10					
Power consumption	Ub	V	12	12	24	24	60	60
		DC	DC	AC	DC	AC	DC	AC
	Ib max	A	2.7	2.4	5.1	4.4	14.2	5.8
Coil resistance		Ω	3.7					
Terminals			Fale-safe bi-directional cylinder-lift-terminal					
Tightening torque		Nm	2.8					
Dimensions (H x D x W)		mm	85 x 69 x 17.5					

S2C-A2T (L)

Rated voltage	AC	V	110...415					
	DC	V	110...250					
Max release duration		ms	<10					
Min. release voltage	AC	V	77					
	DC	V	77					
Power consumption	Ub	V	110	110	220	230	415	
		DC	DC	AC	DC	AC	AC	
	Ib max	A	0.5	0.45	1	0.85	2	
Coil resistance		Ω	225					
Terminals			Fale-safe bi-directional cylinder-lift-terminal					
Tightening torque		Nm	2.8					
Dimensions (H x D x W)		mm	85 x 69 x 17.5					

Shunt trip ring tongue



S2C-A1

Description		Order details		Weight 1 piece Kg	Pack unit pc.
		Type	Order Code		
To be mounted on the right side	12 VAC to 110 VAC/	S2C-A1T	2CDS200949R0001	0,15	1
To be mounted on the left side	12 VDC to 110 VDC	S2C-A1TL	2CDS200947R0001		
to be mounted on the right side	12 VAC to 415 VAC/	S2C-A2T	2CDS200947R0002	0,15	1
to be mounted on the left side	110 VDC to 250 VDC	S2C-A2TL	2CDS200949R0002		

Auxiliary elements for MCBs, RCDs, AFDDs and Switch Disconnectors

Mechanical accessories



S 2C-TC20 U

IP20 Terminal cover					
Description	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece
	EAN	Type code	Order code	kg	pc.
Only for range U/UP/UDC	877565	S 2C-TC20 U	2CDS200917R0001	0.0002	20

Mechanical tripping device

Function: it causes the automatic tripping of the circuit-breakers which it is associated to, when the panel or the door of the electrical switchboard are opened or removed. Suitable for MCBs S 200 series (on both sides of the devices) and for DS 200 (only on the right side, because on the left side there's RCD-block DDA 200). Suitable for SD 200 switch disconnectors series.



S 2C-BP

Description	Bbn 8012542	Order details		Price 1 piece	Weight 1 piece
	EAN	Type code	Order code	kg	pc.
Mechanical tripping device	941309	S2C-BP	2CSS200998R0001	0.048	1

Plug-in base

Function: it is possible to transform a standard circuit-breaker of the S 200 and F 200 range in a plug-in device which can be pulled out of the circuit where it is installed in one operation. Suitable for MCBs S 200 series and for RCCBs F 200 series up to 63 A and RCBOs DS201, DS202C and AFDD S-ARC1 series.



S 2C-EST

Description	Bbn 8012542	Order details		Price 1 piece	Weight 1 piece
	EAN	Type code	Order code	kg	pc.
Plug-in base	940708	S2C-EST	2CSS200999R0001	0.115	1



S2C-Nt

Hand operated neutral left side mounted		
S2C-Nt		
Suitable for		MCBs S200 series, S300P and Switch disconnectors SD200
Rated current	A	max. 40
Terminal	mm ²	10; cage terminal
Tightening torque	Nm	1.2
Dimensions (H x D x W)	mm	85 x 69 x 8.8

Hand operated neutral

The hand operated neutral has to be mounted to the left side of the MCB or switch disconnector and be snapped on the DIN rail. It is used for measuring duties where the neutral conductor must be in the open position. Due to the special design of the handle - when switching ON the MCB - the neutral will make before the MCB is closed.

The S2C - Nt is not to switch with a tool (screw driver).

Description	Bbn 4016779	Order details		Price 1 piece	Weight 1 piece
	EAN	Type code	Order code	kg	pc.
Max 40A	647625	S2C-Nt	2CDS200918R0001	0.06	1

Motor operating and autoreclosing devices for MCBs, RCDs and Switch Disconnectors

Motor Operator



S3C-MOD

	S3C-MOD24**	S3C-MOD230
Suitable for:	MCBs S200 and S300 series RCCBs F200 (up to 100A) and F200 B type (up to 63A) RCBOs DS201 Switch Disconnectors SD200	
Number of modules	1	
Operating voltage	24...48 V AC/DC -10% +10%	230-240 V AC -15% +10%
Minimum operating voltage	21,6 V AC/DC	110 V AC
Power consumption during operation	<28 VA	<30 VA
Power consumption at rest	<1 VA	<1,5 VA
Closing time	<1 s	
Opening time	<1 s	
Mechanical endurance	10000	
Protection degree acc. To EN 60529	IP40 (housing)/IP20 (terminals)	
Operating temperature (with daily average ≤ +35 °C)	-25 ...+60 °C	
Storage temperature	-40 ...+70 °C	
Overvoltage category	III	
Pollution degree acc. to EN 60664	2	
Shock resistance acc. to IEC/EN 60068-2-27	25g, 2 shocks, 13ms	
Vibration resistance acc. to IEC/EN 60068-2-6	1g - 20 cycle at 5... 150 ...5 Hz	
Environmental conditions (damp heat) acc. to IEC/EN 60068-2-30	28 cycles with 55°C/90-96% and 25°C/95-100%	
Terminal type	plug-in	
Cross-section of conductors	0,2...2,5 mm ²	
Tightening torque	0,4 Nm	
Stripping length of the cable	5 mm	
Cable length of the control circuits	10 m	
Remote control: close contact*	Terminal 6	
Remote control: open contact	Terminal 5	
Auxiliary contact	Terminal 4	
Signal contact	Terminal 3	

* In case of MCB trip the remote control inputs are inhibited
** Coupling with S204 or SD204 allowed only in case of DC supply

Motor operating and autoreclosing devices for MCBs, RCDs and Switch Disconnectors

Auto-Reclosing unit



F3C-AR

	F3C-AR24	F3C-AR230	F3C-AR230 D
Suitable for:	RCCBs F200 (up to 100A) and F200 B type (up to 63A)		
Number of modules	1		
Supply voltage	24...48 V AC/DC -10% +10%	230-240 V AC -15% +10%	230-240 V AC -15% +10%
Minimum operating voltage	20,4 V AC/DC	110 V AC	110 V AC
Number of automatic reclosing attempts	3		
Waiting time between auto-reset attempts	3 s	3 s	30 s
Power consumption during operation	<25 VA	<30 VA	<30 VA
Power consumption at rest	<1 VA	<1,5 VA	<1,5 VA
Closing time	<1 s		
Opening time	<1 s		
Mechanical endurance	15000		
Protection degree acc. To EN 60529	IP40 (housing)/IP20 (terminals)		
Operating temperature (with daily average $\leq +35^{\circ}\text{C}$)	-25 ...+60 $^{\circ}\text{C}$		
Storage temperature	-40 ...+70 $^{\circ}\text{C}$		
Overvoltage category	III		
Pollution degree acc. to EN 60664	2		
Shock resistance acc. to IEC/EN 60068-2-27	25g, 2 shocks, 13ms		
Vibration resistance acc. to IEC/EN 60068-2-6	1g - 20 cycle at 5... 150 ...5 Hz		
Environmental conditions (damp heat) acc. to IEC/EN 60068-2-30	28 cycles with 55 $^{\circ}\text{C}$ /90-96% and 25 $^{\circ}\text{C}$ /95-100%		
Terminal type	plug-in		
Cross-section of conductors	0,2...2,5 mm ²		
Tightening torque	0,4 Nm		
Stripping length of the cable	5 mm		
Cable length of the control circuits	10 m		
Remote control: close contact	Terminal 6		
Remote control: open contact	Terminal 5		
Auxiliary contact	Terminal 4		
Alarm contact	Terminal 3		

Motor operating and autoreclosing devices for MCBs, RCDs and Switch Disconnectors

Autoreclosing unit - F3C-AR230 C Series

**F3C-AR230 C**

	F3C-AR230 C 2/30	F3C-AR230 C 2/300	F3C-AR230 C 4/30	F3C-AR230 C 4/300
Suitable for:	RCCBs F200 (up to 100A), F200 B type (up to 63A) and VY (A, S, B type)			
	2P, 230 V, 30 mA	2P, 230 V, 300 mA	4P, 400 V, 30 mA	4P, 400 V, 300 mA
Number of modules	1,5			
Operating voltage	230-240 V AC (-15% +10%)			
Automatic reclosure after untimely tripping	Yes (up to 24 hours after the fault) System check: 1 st time: ≈ 3 seconds 2 nd time: ≈ 2 minutes 3 rd time: ≈ 5 minutes 4 th time to 48 th time: ≈ 30 minutes			
Rd0 (rated non operating resistance between live parts and earth)	8 kΩ	800Ω	8 kΩ	800Ω
Rd (rated operating resistance between live parts and earth)	22 kΩ	8 kΩ	22 kΩ	8 kΩ
Earthing system	TT-TN			
Standard:	IEC63024 EN 63024			
Earth leakage check	Yes			
Max number of consecutive automatic reclosure attempts	48			
Reset time for counter of automatic reclosing attempts	45s			
Power consumption during operation	<26 VA			
Power consumption at rest	<1,5 VA			
Closing time	<1 s			
Opening time	<1 s			
Protection degree acc. to EN 60529	IP40 (housing)/IP20 (terminals)			
Operating temperature	-25 ...+60 °C			
Storage temperature	-40 ...+70 °C			
Overvoltage category	III			
Pollution degree acc. to EN 60664	2			
Shock resistance acc. to IEC/EN 60068-2-27	25g, 2shocks, 13ms			
Vibration resistance acc. to IEC/EN 60068-2-6	1g - 20 cycle at 5... 150 ...5 Hz			
Environmental conditions (damp heat) acc. to IEC/ EN 60068-2-30	28 cycles with 55°C/90-96% and 25°C/95-100%			
Terminal type	plug-in			
Cross-section of conductors	0,2...2,5 mm ²			
Tightening torque	0,4 Nm			
Stripping length of the cable	5 mm			
Locked state	Terminal 3			

Motor operating and autoreclosing devices for MCBs, RCDs and Switch Disconnectors

Autoreclosing unit - F3C-AR230 C H* Series



F3C-AR230 C H

	F3C-AR230 C H 2/30	F3C-AR230 C H 2/300	F3C-AR230 C H 4/30	F3C-AR230 C H 4/300
Suitable for:	RCCBs FH200			
	2P, 230 V, 30 mA	2P, 230 V, 300 mA	4P, 400 V, 30 mA	4P, 400 V, 300 mA
Number of modules	1,5			
Operating voltage	230-240 V AC (-15% +10%)			
Automatic reclosure after untimely tripping	Yes (up to 24 hours after the fault) System check: 1 st time: ≈ 3 seconds 2 nd time: ≈ 2 minutes 3 rd time: ≈ 5 minutes 4 th time to 48 th time: ≈ 30 minutes			
Rd0 (rated non operating resistance between live parts and earth)	8 kΩ	800Ω	8 kΩ	800Ω
Rd (rated operating resistance between live parts and earth)	22 kΩ	8 kΩ	22 kΩ	8 kΩ
Earthing system	TT-TN			
Standard:	IEC63024 EN 63024			
Earth leakage check	Yes			
Max number of consecutive automatic reclosure attempts	48			
Reset time for counter of automatic reclosing attempts	45s			
Power consumption during operation	<26 VA			
Power consumption at rest	<1,5 VA			
Closing time	<1 s			
Opening time	<1 s			
Protection degree acc. to EN 60529	IP40 (housing)/IP20 (terminals)			
Operating temperature	-5 ...+40 °C			
Storage temperature	-40 ...+70 °C			
Overvoltage category	III			
Pollution degree acc. to EN 60664	2			
Shock resistance acc. to IEC/EN 60068-2-27	25g, 2shocks, 13ms			
Vibration resistance acc. to IEC/EN 60068-2-6	1g - 20 cycle at 5... 150 ...5 Hz			
Environmental conditions (damp heat) acc. to IEC/ EN 60068-2-30	28 cycles with 55°C/90-96% and 25°C/95-100%			
Terminal type	plug-in			
Cross-section of conductors	0,2...2,5 mm ²			
Tightening torque	0,4 Nm			
Stripping length of the cable	5 mm			
Locked state	Terminal 3			

* Coming soon

Motor operating and autoreclosing devices for MCBs, RCDs and Switch Disconnectors

Ordering codes

**S3C-MOD****S3C-MOD**

Description	Bbn 8012542	Order details		Price 1 piece	Weight 1 piece	Pack unit
	EAN	Type code	Order code		kg	pc.
Motor Operating Device, 24-48 V AC/DC	539254	S3C-MOD24	2CSS201998R0033		0.100	1
Motor Operating Device, 230-240 V AC	539353	S3C-MOD230	2CSS202998R0033		0.100	1

**F3C-AR****F3C-AR, F3C-AR230 C, F3C-AR230 C H***

Description	Bbn 8012542	Order details		Price 1 piece	Weight 1 piece	Pack unit
	EAN	Type code	Order code		kg	pc.
Auto-Reclosing unit, 24-48 V AC/DC	539452	F3C-AR24	2CSF201998R0034		0.100	1
Auto-Reclosing unit, 230-240 V AC	539551	F3C-AR230	2CSF202998R0034		0.100	1
Autoreclosing unit, 230-240 V AC, with 30s waiting time	539650	F3C-AR230 D	2CSF203998R0034		0.100	1
Autoreclosing unit with system check, 110-240 V AC, for RCCB 2P 30mA	539759	F3C-AR230 C 2/30	2CSF201998R0035		0.130	1
Autoreclosing unit with system check, 110-240 V AC, for RCCB 2P 300mA	539858	F3C-AR230 C 2/300	2CSF202998R0035		0.130	1
Autoreclosing unit with system check, 110-240 V AC, for RCCB 4P 30mA	539957	F3C-AR230 C 4/30	2CSF203998R0035		0.130	1
Autoreclosing unit with system check, 110-240 V AC, for RCCB 4P 300mA	540052	F3C-AR230 C 4/300	2CSF204998R0035		0.130	1
Autoreclosing unit with system check, 230-240 V AC, for FH200 2P 30mA	795650	F3C-AR230 C H 2/30	2CSF205998R0035		0.130	1
Autoreclosing unit with system check, 230-240 V AC, for FH200 2P 300mA	795759	F3C-AR230 C H 2/300	2CSF206998R0035		0.130	1
Autoreclosing unit with system check, 230-240 V AC, for FH200 4P 30mA	795858	F3C-AR230 C H 4/30	2CSF207998R0035		0.130	1
Autoreclosing unit with system check, 230-240 V AC, for FH200 4P 300mA	795957	F3C-AR230 C H 4/300	2CSF208998R0035		0.130	1

* Coming soon

**F3C-AR230 C****F3C-AR230 C H***

Motor operating and autoreclosing devices for MCBs, RCDs and Switch Disconnectors

Ordering codes



e-MOD/AR
ModBus

Communication interfaces*

Description	Bbn 8012542	Order details		Price 1 piece	Weight 1 piece	Pack unit
	EAN	Type code	Order code		kg	pc.
Modbus Interface for MOD/AR ranges	540151	eMOD/AR ModBus	2CSS201998R0036		0.030	1
Wifi Interface for MOD/AR ranges	540250	eMOD/AR Wifi	2CSS202998R0036		0.030	1

* Coming soon



F200 125A RCCB

Motor operating device for F200 125A RCCB

Description	Bbn 8012542	Order details		Price 1 piece	Weight 1 piece	Pack unit
	EAN	Type code	Order code		kg	pc.
Motor operating device for F200 125A RCCB	020721	F2-125A-24V-CM4	2CSF200997R1214		0.036	1
Motor operating device for F200 125A RCCB	600626	F2-125A-230V-CM4	2CSF200997R1205		0.036	1