

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 Ibmax (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 Ibmax 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

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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	Weight	Pack
				1 piece	1 piece	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	