

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	12VDC	12VAC	24VDC	24VAC	60VDC	60VAC	110VDC	110VAC
	I _{bmax} /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			0,75mm ² ...2.5mm ² , 2 wires max. 2x1,5mm ²							
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	110VDC	110VAC	220VDC	230VAC	250VDC	415VAC		
	I _{bmax} /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			0,75mm ² ...2.5mm ² , 2 wires max. 2x1,5mm ²							
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 I_{bmax} (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 I_{bmax} 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	Order details			Price	Weight	Pack
	4053546				1 piece	1 piece	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
	I _{b 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			0,75mm ² ...2.5mm ² , 2 wires max. 2x1,5mm ²							
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		
	I _{b 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			0,75mm ² ...2.5mm ² , 2 wires max. 2x1,5mm ²							
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	Order details			Price	Weight	Pack
	4053546				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	