


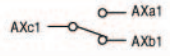
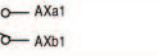
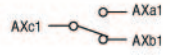
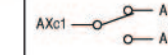
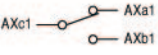


Auxiliary

### Auxiliary Contact Description.

Auxiliary is for applications requiring remote "ON/OFF" indication. Each Auxiliary contains 2 contacts with common connection (Form "C") with one open and one closed.

### Contact operation

CBS-AX	MCCB Position of AUX	ON	OFF	TRIP
				
CBS-AL	Position of Alarm trip Aux	ON	OFF	TRIP
				

### Alarm Trip Auxiliary Description

Alarm trip auxiliary is designed for provision of immediate audio or visual indications of a tripped breaker due to overload, short circuit, or undervoltage release condition. This auxiliary will not switch while being operated by manual switching of toggle. (OFF/ON).

### Technical data

Conventional thermal current I <sub>th</sub>	5A		
Rated operational current I <sub>e</sub> with rated operational voltage U <sub>e</sub>	Voltage	I <sub>e</sub>	
		Resistance	Inductance
- Alternating current 50/60Hz AC	125V	5	3
	250V	3	2
	500V	-	-
- Direct current DC	30V	4	3
	125V	0.4	0.4
	250V	0.2	0.2



Alarm Trip Auxiliary

### Shunt Trip Relay Description

Shunt Trip relays function is to trip the circuit breaker from remote location by means of externally applied voltage range of operation voltage (0.7~1.1) frequency (only AC) 45HZ~65HZ



Shunt Trip Relay

Control voltage (V)	Power Consumption		
	AC (VA)	DC (W)	mA
DC 12V	-	0.36	30
AC/DC 24V	0.58	0.58	24
AC/DC 48V	1.22	1.23	25
AC/DC 110~130	1.36	1.37	10.5
AC 220~240V/DC250	1.80	1.88	7.5
AC 380~500	1.15	-	2.3
Max. Opening Time	50(ms)		
Screw Torque	8.2kgf· cm		

### Undervoltage Trip Relay Description

Under voltage release automatically opens a circuit breaker when voltage values drops to a range of 35% to 70% of line voltage. The operation is instantaneous and will not allow breaker to be turned on again until voltage returns to 85% of line voltage.



Undervoltage Trip Relay

Control voltage (V)	Consumption		
	AC (VA)	DC (W)	mA
AC/DC 24V	0.64	0.65	27
AC/DC 48V	1.09	1.10	23
AC/DC 110~130V	0.73	0.75	5.8
AC 200~240V/DC 250V	1.21	1.35	5.4
AC 380~440V	1.67	-	3.8
AC 440~480V	1.68	-	3.5
<b>-Drop (Circuit breaker trips)</b>		<b>0.7~1.35Vn</b>	
<b>-Rise (Circuit breaker can be switched on)</b>		<b>~0.85Vn</b>	