

Accessories for TD/TS series up to 800A

Susol

Electrical auxiliaries

Auxiliary switch (AX), Alarm switch (AL) and Fault alarm switch (FAL)



AX

Auxiliary switch (AX)

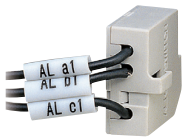
Auxiliary switch is for applications requiring remote “ON” and “OFF” indication. Each switch contains two contacts having a common connection. One is open and the other closed when the circuit breaker is open, and vice-versa.

Alarm switch (AL)

Alarm switches offer provisions for immediate audio or visual indication of a tripped breaker due to overload, short circuit, shunt trip, or undervoltage release conditions.

They are particularly useful in automated plants where operators must be signaled about changes in the electrical distribution system. This switch features a closed contact when the circuit breaker is tripped automatically. In other words, this switch does not function when the breaker is operated manually.

Its contact is open when the circuit breaker is reset.



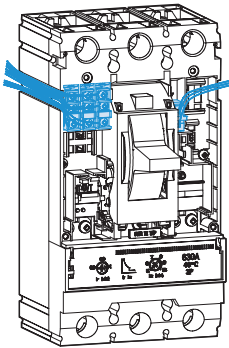
AL

Fault alarm switch (FAL)

FAL Indicates that the breaker has tripped due to overload or short circuit. And, it can be applied to only circuit breakers with electronic trip units.

Contact operation

MCCB	ON	OFF	TRIP
Position of AX			
Position of AL, FAL			



Technical data

Conventional thermal current I _{th}	5A				
Rated operational current I _e with rated operational voltage U _e	Voltage	Current, I _e		Minimum load current	
		Resistance	Inductance		
- Alternating current 50/60Hz AC	125V	5	3	5V DC 160mA 30V DC 30mA	TD100
	250V	3	2		TD160
	500V	-	-		TS100
- Direct current DC	30V	4	3		TS160
	125V	0.4	0.4		TS250
	250V	0.2	0.2	TS400	
					TS630
					TS800

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Possible configuration of electrical auxiliaries

Maximum possibilities

Phase	Accessory	TD160	TS250	TS630	TS800
R (Left)	AX	-	1	3	3
	AL	1	1	-	-
	SHT or UVT	1	1	1	1
T (Right)	AX	2	1	-	-
	AL	-	-	1	2
	FAL	-	1	1	1

Note) FAL can be applied to only MCCB with electronic trip release.

