

Accessories for Miniature Circuit Breakers

Functions of Accessories

Internal accessory	Function
AL Alarm switch	Electrically indicates the trip status of the circuit breaker.
AX Auxiliary switch	Electrically indicates the On/Off status of the circuit breaker.
SHT Shunt trip	Electrically trips the circuit breaker from a remote location. Permissible working voltages are 70 to 110% of the AC rated voltage or 70 to 125% of the DC rated voltage.

Equipping of Accessories

Accessory \ Model	BH-D6	BH-D10	BH, BH-P, BH-S, BH-PS, BH-DN, BV-DN, KB-D, BV-D
AL	○	○	—
AX	○	○	
SHT	○	○	

○: Accessory equipped

—: Accessory not equipped

Specifications

Type		AL	AX	AL+AX	AX+AX
		AL-05DLS	AX-05DLS	ALAX-05DLS	AX2-05DLS
Contact	Configuration	1C	1C	2C	2C
	Contact capacity	400VAC, 2A	230VAC, 5A	130VDC, 0.4A	48VDC, 1.5A
Function	Line	—	—	AX	AX
	Load	AL	AX	AL	AX
Connection		Busbar terminal			
Compliance standard		IEC60947-5-1 GB14048.5			

Type	SHT	
	SHTA400-05DLS	SHTD048-05DLS
Cut-off switch	Equipped	
Voltage	110-400VAC	24-48VDC
Input power requirement	110VAC 60VA 230VAC 250VA 400VAC 750VA	24VDC 75VA 48VDC 300VA
Operating time [ms]	<20	
Connection	Solderless terminal	
Compliance standard	IEC60947-2 GB14048.2	

* Secure a sufficient input power supply so that the voltage will not drop below the permissible lower working voltage (70% of the lowest rated voltage).

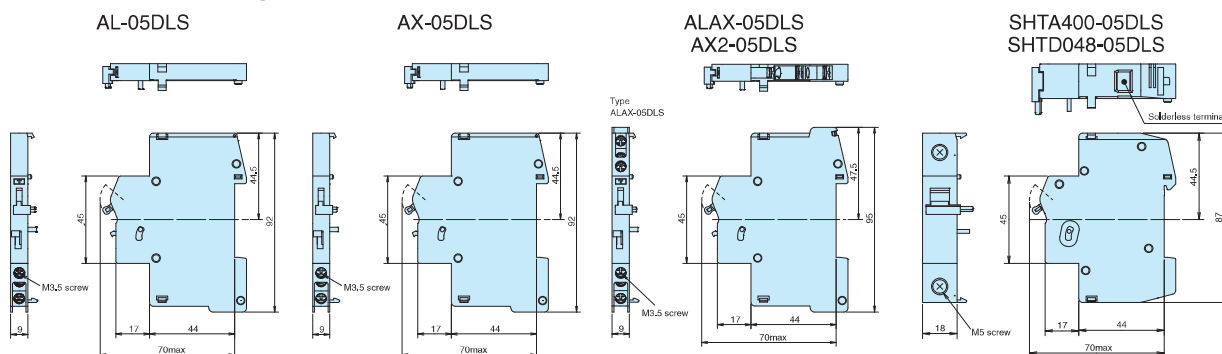
* The operating time denotes the time from when the rated voltage is applied to SHT until the time the main contact of the breaker starts to open.

Combinations of Accessories

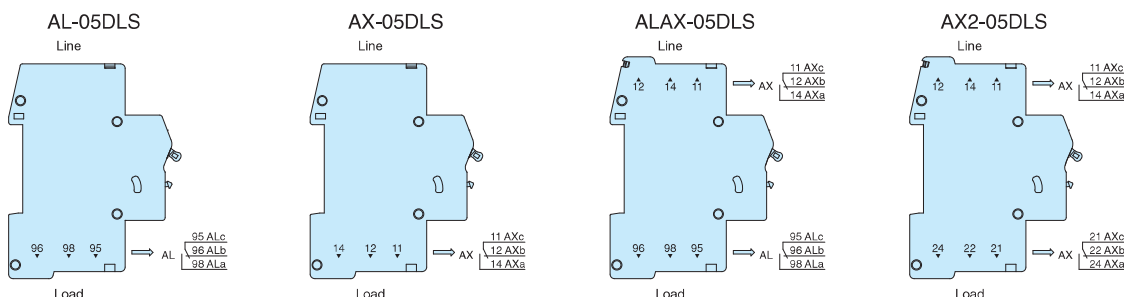
Accessory connection combinations	AL	  
	AX	  
	2AX	  
	ALAX	  
	SHT	 
	AX+SHT	  
	AL+SHT	  
	2AX+SHT	   
	ALAX+SHT	   

 Breaker
  AL
  AX
  AL+AX
  AX+AX
  SHT

Outline Drawing

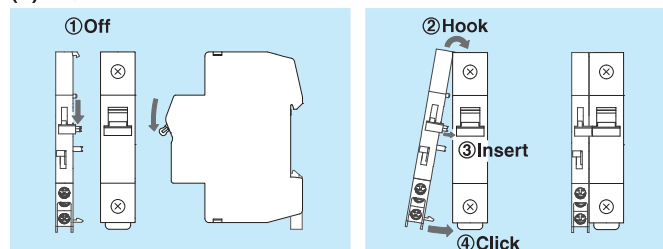


Connection of Line and Load Side



Installation of Accessories (AX, AL, SHT)

(1) Installation



(2) Removal

