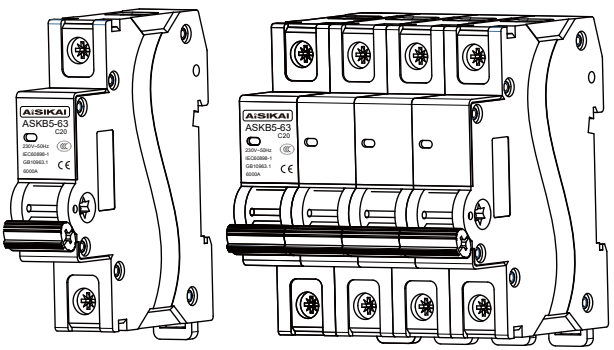
AiSIKAI
Professional manufacture

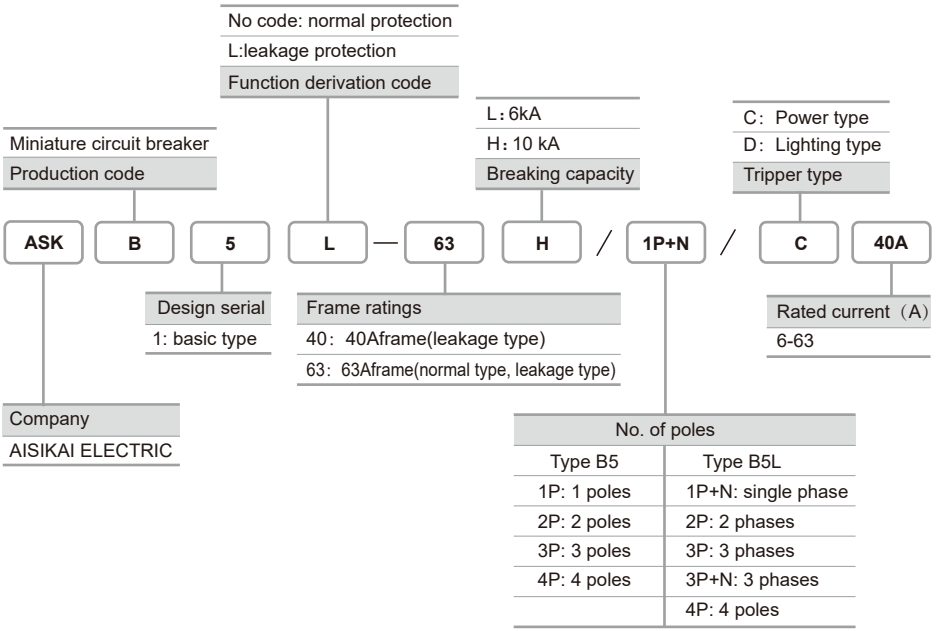
ASKB5/B6

MINIATURE CIRCUIT BREAKER
USER MANUAL



JIANGSU AISIKAI ELECTRIC CO.,LTD

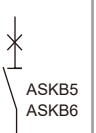
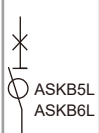
ASKB5 MINIATURE CIRCUIT BREAKER SELECTION TABLE



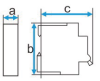
Frame Classification:

Normal type(63A frame)

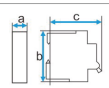
Leakage protection type(L type, 40A frame, 63A frame)

Design Marking	Design Marking	Model Description 1: ASKB5-63/L/4P/40A	Model Description 2: ASKB5L-63 / 3P+N / 63A
 ASKB5 ASKB6	 ASKB5L ASKB6L	1.standard normal protection type MCB 2.63A frame 3.4 poles, rated current 40A	1.standard leakage protection type MCB 2.63A frame 3.three phases four lines, rated current 63A

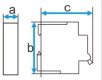
ASKB5 NORMAL PROTECTION MINIATURE CIRCUIT BREAKER
MAIN TECHNICAL PARAMETERS

63A Frame								
General power distribution protection								
No. of poles					1P	2P	3P	4P
Electrical performance								
Functions					Short-circuit protection, overload protection, isolation, control			
Rated frequency		f	(Hz)		50			
Rated operational voltage		Ue	(V AC)		230/400	400	400	400
Rated current		In	(A)		6、10、16、20、25、32、40、50、63			
Impulse withstand voltage		Uimp	(kV)		4			
Rated insulation voltage		Ui	(V)		500			
Instantaneous tripping type					C/D			
Rated short-circuit capacity		Icu	(kA)	L	Icu=Ics=6			
				H	Icu=Ics=10			
Tripper type					Thermomagnetic			
Service life	(0~C)	Mechanical service life			20000			
		Electrical service life			10000			
Control and indication								
Optional accessories(multiple options available)					Alarm contact SD, auxiliary contact OF, shunt tripper MX+OF or over-voltage under-voltage tripper MN+MV (choose one of the two)			
Connection and installation								
Protection level					IP20			
Handle lock					None			
Wiring capacity			(mm²)		1 ~ 25			
Operational temperature			(C)		-5 ~ +40			
Resistance to heat and humidity					Class 2			
Altitude			(m)		≤ 2000			
Air relative humidity					Not exceed 95% at +20 C ; not exceed 50% at +40 C			
Pollution level					2			
Installation environment					Without strong impact and vibration			
Installation category					III			
Installation method					DIN standard rail			
Outline dimensions (mm) Width*Height*Depth				a	18	36	54	72
				b	86			
				c	78			

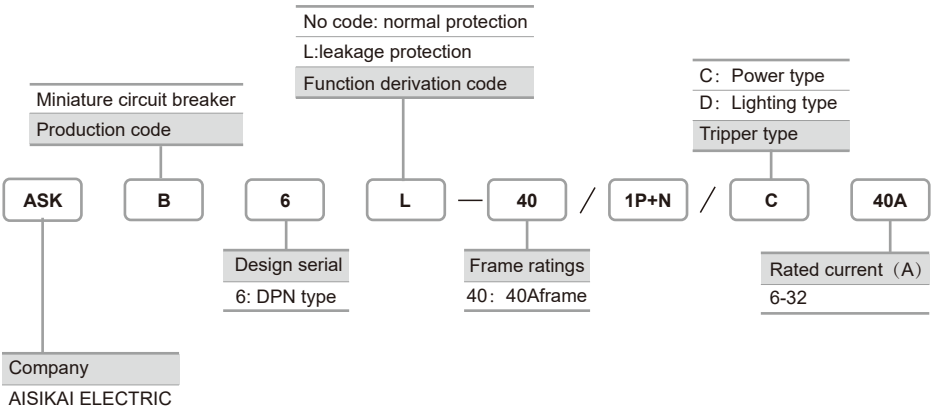
ASKB5L LEAKAGE PROTECTION MINIATURE CIRCUIT BREAKER
MAIN TECHNICAL PARAMETERS

40A Frame								
General power distribution protection (IEC/EN 61009-1; GB 16917.1)								
No. of poles				1P+N	2P	3P	3P+N	4P
Electrical performance								
Functions				Short-circuit protection, overload protection, leakage protection,isolation, control				
Residual current type				AC type(ensure tripping for sudden applied or slowly rising residual sinusoidal AC currents)				
Rated frequency	f	(Hz)		50 / 60				
Rated operational voltage	Ue	(V AC)		230	230	400	400	400
Rated residual action current	I△n	(mA)		Default 30mA(non-action current 15mA). 50, 100, 200, 300mA is customizable				
Rated current	In	(A)		6、10、16、20、25、32、40				
Instantaneous tripping type				C/D				
Rated residual making and breaking capacity	Im	(A)		2000				
Impulse withstand voltage	Ui	(V)		500				
Rated insulation voltage	Uimp	(kV)		4				
Rated short-circuit capacity	Icu	(kA)	L	Icu=Ics=6				
			H	Icu=Ics=10				
Tripper type				Thermomagnetic				
Service life	(0~C)	Mechanical service life		20000				
		Electrical service life		10000				
Control and indication								
Optional accessories(multiple options available)				Alarm contact SD, auxiliary contact OF				
Connection and installation								
Protection level				IP20				
Wiring capacity	(mm²)			1 ~ 25				
Operational temperature	(C)			-25 ~ +60				
Resistance to heat and humidity				Class 2				
Altitude	(m)			≤ 2000				
Air relative humidity				Not exceed 95% at +20C; not exceed 50% at +40C				
Pollution level				2				
Installation environment				Without strong impact and vibration				
Installation category				III				
Installation method				DIN standard rail				
Outline dimensions (mm) Width*Height*Depth			a	45	63	90	99	177
			b	94.5				
			c	76.8	77.8			

ASKB5L LEAKAGE PROTECTION MINIATURE CIRCUIT BREAKER
MAIN TECHNICAL PARAMETERS

63A Frame									
General power distribution protection (IEC/EN 61009-1; GB 16917.1)									
No. of poles				1P+N	2P	3P	3P+N	4P	
Electrical performance									
Functions				Short-circuit protection, overload protection, leakage protection,isolation, control					
Residual current type				AC type(ensure tripping for sudden applied or slowly rising residual sinusoidal AC currents)					
Rated frequency	f	(Hz)		50 / 60					
Rated operational voltage	Ue	(V AC)		230	230	400	400	400	
Rated residual action current	I△n	(mA)		Default 30mA(non-action current 15mA). 50, 100, 200, 300mA is customizable					
Rated current	In	(A)		50、63					
Instantaneous tripping type				C/D					
Rated residual making and breaking capacity	Im	(A)		2000					
Rated short-circuit capacity	Icu	(kA)	L	Icu=Ics=6					
			H	Icu=Ics=10					
Tripper type				Thermomagnetic					
Service life	(0~C)	Mechanical service life		20000					
		Electrical service life		10000					
Control and indication									
Optional accessories(multiple options available)				Alarm contact SD, auxiliary contact OF					
Connection and installation									
Protection level				IP20					
Wiring capacity	(mm²)			1 ~ 25					
Operational temperature	(℃)			-25 ~ +60					
Resistance to heat and humidity				Class 2					
Altitude	(m)			≤ 2000					
Air relative humidity				Not exceed 95% at +20℃; not exceed 50% at +40℃					
Pollution level				2					
Installation environment				Without strong impact and vibration					
Installation category				III					
Installation method				DIN standard rail					
Outline dimensions (mm) Width*Height*Depth 			a	54	72	177	177	135	
			b	88					
			c	77	78.5				

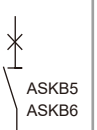
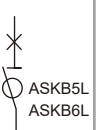
ASKB6 MINIATURE CIRCUIT BREAKER SELECTION TABLE



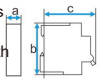
Frame Classification:

Normal type(40A frame)

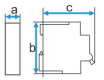
Leakage protection type(L type, 40A frame)

Design Marking	Design Marking	Model Description 1: ASKB6-40/2P/40A	Model Description 2: ASKB6L-40/1P+N/40A
 ASKB5 ASKB6	 ASKB5L ASKB6L	1.compact normal protection type MCB 2.40A frame 3.2 poles, rated current 40A	1.compact leakage protection type MCB 2.40A frame 3.single phase two lines, rated current 40A

ASKB6 NORMAL PROTECTION MINIATURE CIRCUIT BREAKER
MAIN TECHNICAL PARAMETERS

32A Frame					
General power distribution protection					
No. of poles					1P+N: single phase two lines, N line is involved in breaking
Electrical performance					
Functions					Short-circuit protection, overload protection, isolation, control
Rated frequency		f	(Hz)		50
Rated operational voltage		Ue	(V AC)		230
Rated current		In	(A)		6、10、16、20、25、32、40
Impulse withstand voltage		Uimp	(kV)		4
Instantaneous tripping type					C/D
Rated short-circuit capacity		Icu	(kA)	L	Icu=Ics=4
				H	Icu=Ics=6
Tripper type					Thermomagnetic
Service life	(0~C)	Mechanical service life			20000
		Electrical service life			4000
Control and indication					
Optional accessories(multiple options available)					Not available
Connection and installation					
Protection level					IP20
Handle lock					None
Wiring capacity		(mm²)			1 ~ 25
Operational temperature		(C)			-5 ~ +40
Resistance to heat and humidity					Class 2
Altitude		(m)			≤ 2000
Air relative humidity					Not exceed 95% at +20 C ; not exceed 50% at +40 C
Pollution level					2
Installation environment					Without strong impact and vibration
Installation category					III
Installation method					DIN standard rail
Outline dimensions (mm) Width*Height*Depth 		a			18
		b			81
		c			76

ASKB6L LEAKAGE PROTECTION MINIATURE CIRCUIT BREAKER
MAIN TECHNICAL PARAMETERS

40A Frame					
General power distribution protection					
No. of poles					1P+N: single phase two lines, N line is involved in breaking
Electrical performance					
Functions					Short-circuit protection, overload protection, isolation, control
Residual current type					AC type(ensure tripping for sudden applied or slowly rising residual sinusoidal AC currents)
Rated frequency		f	(Hz)		50
Rated operational voltage		Ue	(V AC)		230
Rated residual action current		I△n	(mA)		Default 30mA(non-action current 15mA).
Rated current		In	(A)		6、10、16、20、25、32、40
Instantaneous tripping type					C/D
Rated residual making and breaking capacity		Im	(A)		20000
Rated short-circuit capacity		Icu	(kA)	L	Icu=Ics=4.5
				H	Icu=Ics=6
Tripper type					Thermomagnetic
Service life	(0~C)	Mechanical service life			20000
		Electrical service life			6000
Control and indication					
Optional accessories(multiple options available)					Not available
Connection and installation					
Protection level					IP20
Wiring capacity		(mm²)			1 ~ 25
Operational temperature		(℃)			-25 ~ +60
Resistance to heat and humidity					Class 2
Altitude		(m)			⩽ 2000
Air relative humidity					Not exceed 95% at +20℃; not exceed 50% at +40℃
Pollution level					2
Installation environment					Without strong impact and vibration
Installation category					III
Installation method					DIN standard rail
Outline dimensions (mm) Width*Height*Depth 		a			36
		b			81
		c			76

DECLARATION

All rights reserved. Without the written permission of the company, the contents of any paragraph and chapter of this manual shall not be copied or copied in any form, otherwise all consequences shall be borne by the violator, and the company reserves all legal rights.
The company reserves the right to modify the product specifications described in this manual without notice. Please consult the local agent before ordering. You have obtained the latest specifications of this product.

AISIKAI-2022MCCB-ASKB5/B6

Wechat Contact

JIANGSU AISIKAI ELECTRIC CO.,LTD.

Tel: +86-514-83872777 83872888
Fax:+86-514-83872000
Web: www.switchshops.com
E- mail: aisikai@aisikai.cc
Twitter: AISIKAI ELECTRIC
Facebook: Aisikai
Add: NO.5 Chuangye Road,Chenji Industrial Zone, Yizheng City, Jiangsu Province, China