

Derwent
Top 100
Global
Innovator
2020

LCP Series Circuit Protectors



LS ELECTRIC

Circuit Protectors



Specifications

Type		LCP-31FM	LCP-32FM	LCP-33FM	LCP-32FI
Pole		1-pole	2-pole	3-pole	2-pole
Rated insulation voltage (Ui)	AC/DC	250V / 65V	250V / 125V	250V	250V / 125V
Rated current		0.1, 0.3, 0.5, 1, 2, 3, 5, 7, 10, 15, 20, 25, 30A			2,3,5,10,15,20,30A
Rated breaking capacity	IEC60947-2	1500	1500	1500	1500
	IEC60934	2500	2500	2500	2500
Operating characteristic		Long time delay (AC circuit only) Medium time delay, Instantaneous tripping			
Tripping mechanism		Hydraulic-magnetic			
Ambient temperature		-10 ~ +60 °C			
Dielectric strength		2000V AC 1min			
Electrical durability		10,000 operation or more			
Terminal (Self-lifting)	Main circuit	M5 (25A or over), M4 (20A or less)			
	Auxiliary circuit	M3.5			
Standards		IEC/EN (CE), GB (CCC), UL, TUV			
Mass (Approx)		80g	160g	240g	160g

Ratings of auxiliary and alarm switches

Standard type (Type AX, AL)	
250V AC	Resistive load : 1A Inductive load : 0.5A
125V AC	Resistive load : 3A Inductive load : 1A
60V AC	Resistive load : 1A Inductive load : 0.5A
30V AC	Resistive load : 2A Inductive load : 1A

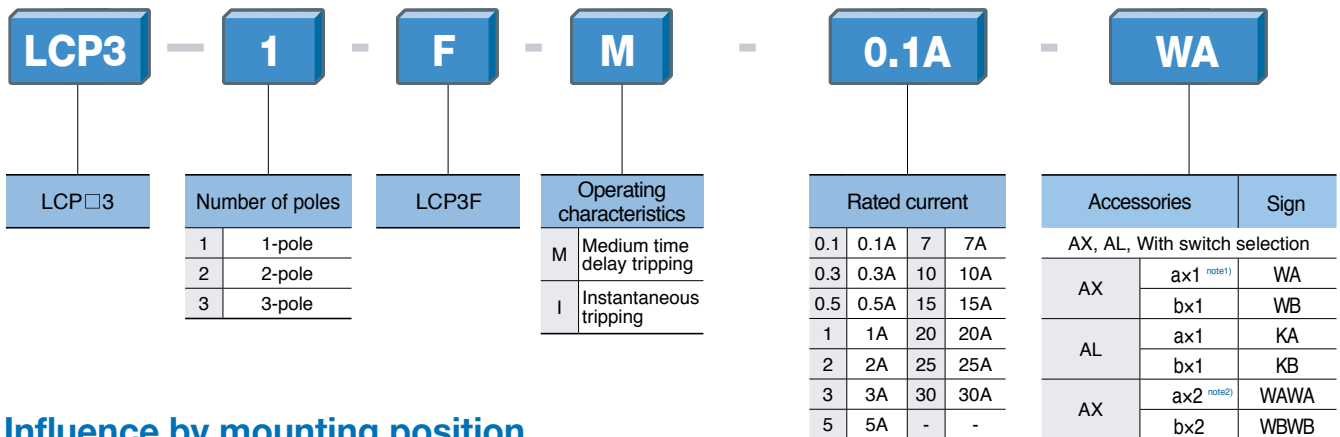
Minimum permissible load

For low level circuit (Type AX, AL)	
24V DC 12V DC 6V DC	1mA 2mA 5mA

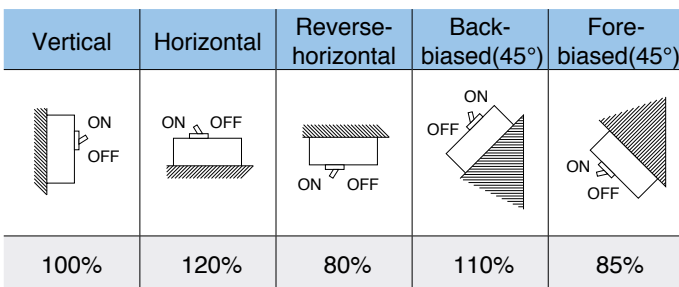
Main contact	Auxiliary switch(AX)	Alarm switch(AL)
ON		
OFF		
TRIP		

Circuit Protectors

Type number nomenclature



Influence by mounting position

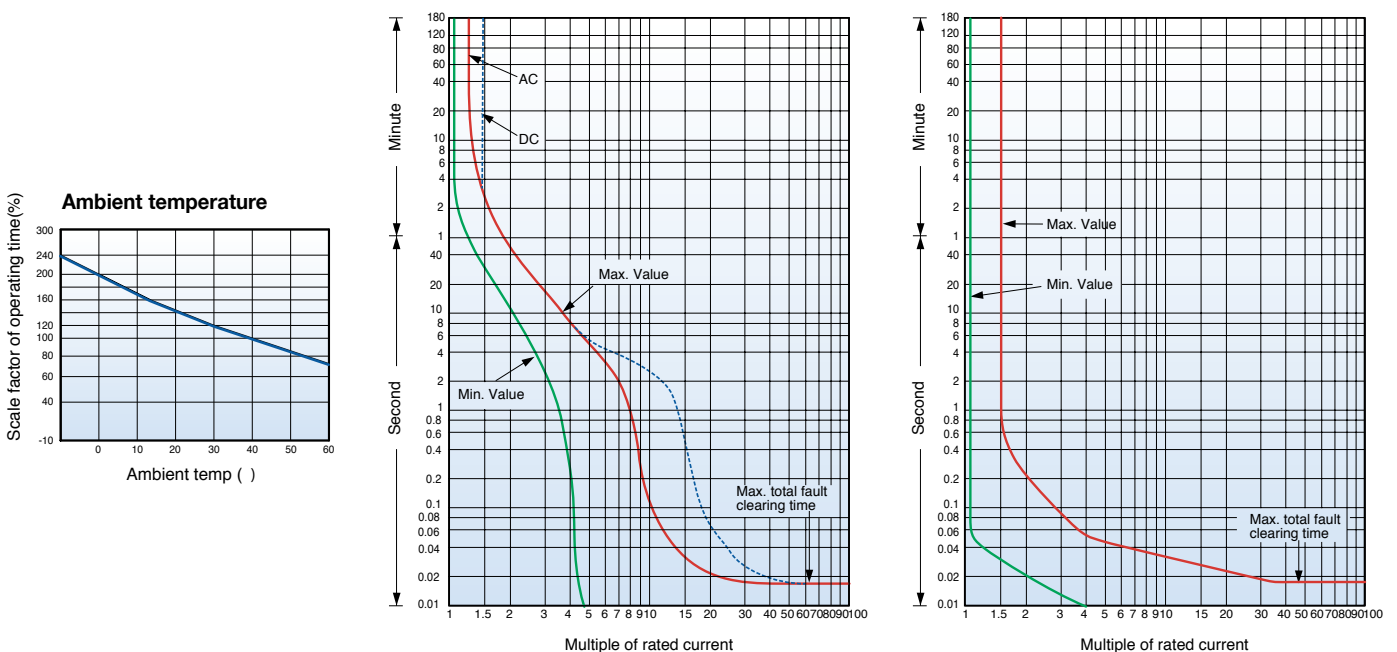


AX	ax1 ^{note1)}	WA
	bx1	WB
AL	ax1	KA
	bx1	KB
AX	ax2 ^{note2)}	WAWA
	bx2	WBWB
AX	ax1	WAKA
	ax1	WAKB
AL	bx1	WBKA
	bx1	WBKB

Charanteristic Curve

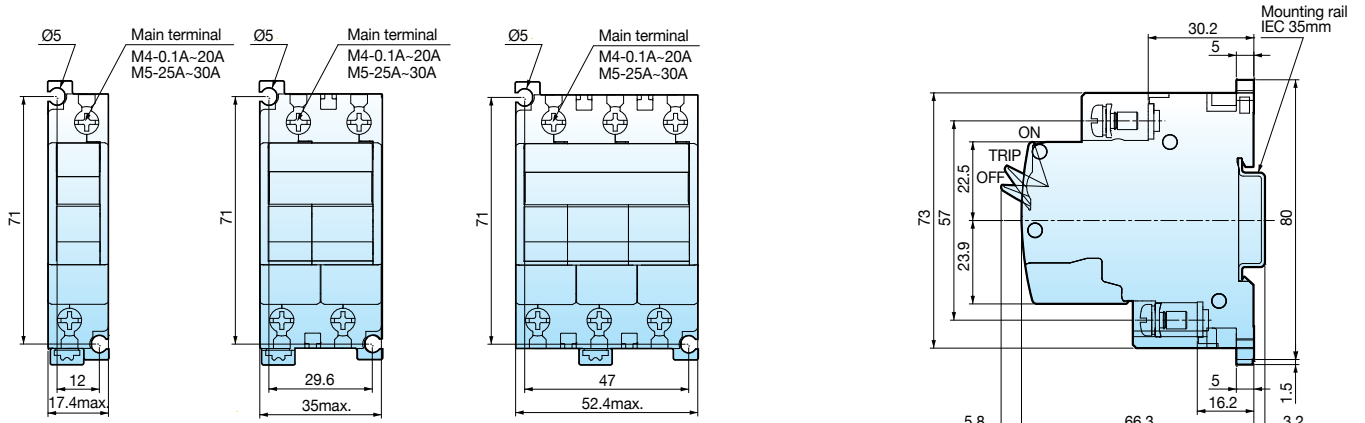
Medium time delay tripping type AC/DC circuit

Istantaneous tripping type AC/DC circuit



Dimensions

[mm]

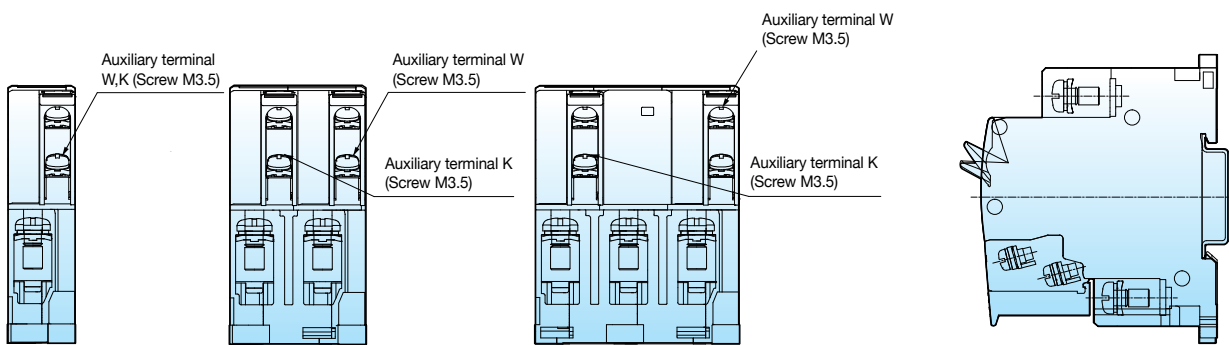


1-poles

2-poles

3-poles

AX/AL



1-poles

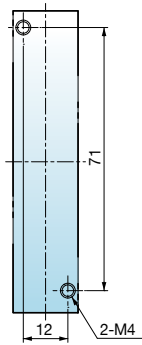
2-poles

3-poles

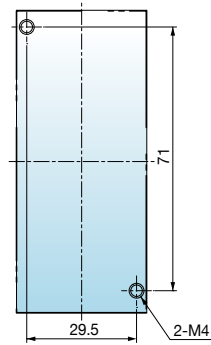
Dimensions

[mm]

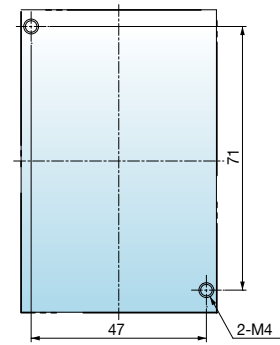
Panel drilling



1-poles



2-poles



3-poles



Safety Instructions

- For your safety, please read user's manual thoroughly before operating.
- Contact the nearest authorized service facility for examination, repair, or adjustment.
- Please contact qualified service technician when you need maintenance. Do not disassemble or repair by yourself!
- Any maintenance and inspection shall be performed by the personnel having expertise concerned.



- According to The WEEE Directive, please do not discard the device with your household waste.



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