

TL-EX-FH-0161-L Series Explosion-proof Anticorrosive Residual Current Operated Circuit Breakers

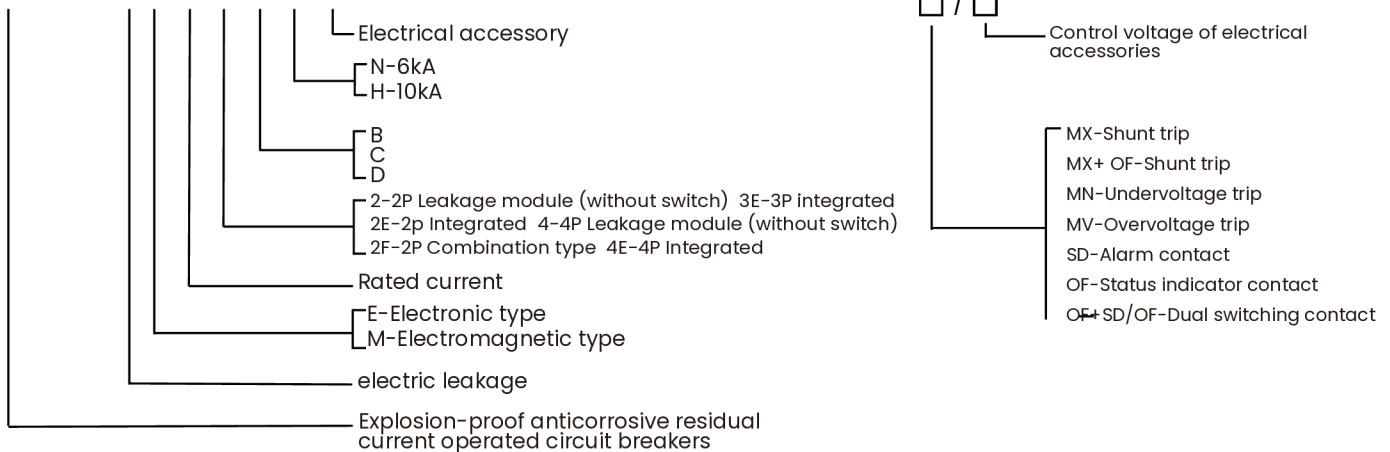
1 Application and Features

- Explosion protection
- ATEX
Application in hazardous area
Zone 1 and Zone 2
- GRP (Polyester resin, glass fibre reinforced) enclosure.
- It is equipped with small leakage circuit breakers from Schneider, Chint and other brands, and has a dedicated operating mechanism inside.
- The enclosure is equipped with main terminal contact, electrical accessory contact and operation device.
- There are 7 kinds of electrical accessories.
- The product should be used in conjunction with the increased safety type enclosure and must not be used alone.



2 Nomenclature

TL-EX-FH-0161-L □/□/□/□/□-□


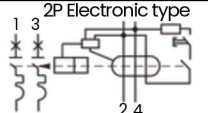
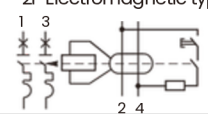
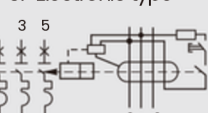
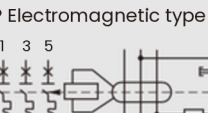
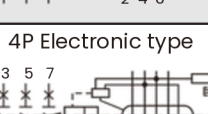
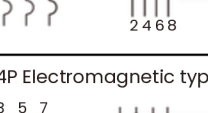


3 Technical parameters

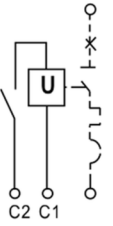
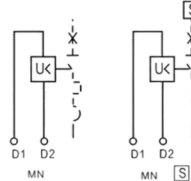
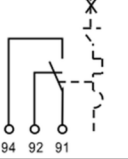
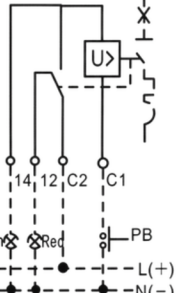
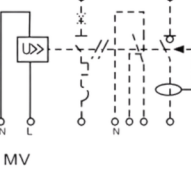
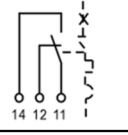
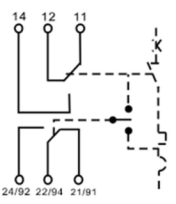
Ex marking	Gas	Ex db eb IIC Gb
Conformity to standards		IEC 60079-0, IEC 60079-1, IEC 60079-7 EN 60079-0, EN 60079-1, EN 60079-7
Enclosure material		GRP (Polyester resin, glass fibre reinforced)
Enclosure color		Black
Rated voltage		100~133V AC, 220~250V AC, 380~415V AC
Rated current		16A, 25A, 32A, 63A
Rated residual action current		10mA, 30mA, 50mA, 75mA, 100mA, 300mA, 500mA
Rated breaking capacity		6kA, 10kA
Pole		2P, 4P, 2E, 3E, 4E, 2F
Tripping characteristics		B, C, D
Terminal section	Main contact	2X10mm (≤40A), 2X16mm (≤63A)
	Electrical accessory contact	2X2.5mm
Ambient temperature		-40°C~+100°C

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4 Selection Table

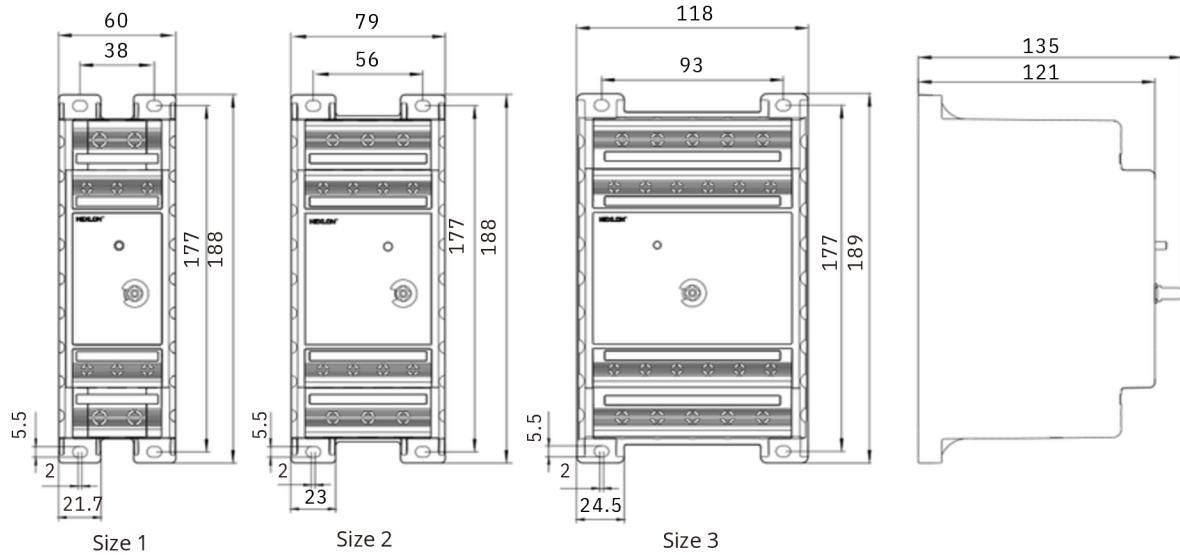
Pictorial view	Pole	Tripping characteristic	Rated current (A)	Rated voltage (V)	Terminal section (mm ²)	Electrical schematic diagram	Weight (kg)	Electrical accessory parameter
	2P	B/C/D	16 25 32 63	AC 100-133 AC 220-240 AC 380-415	2×10 (≤40A) 2×16 (≤63A)	2P Electronic type 	2.0	Electrical accessory contact terminal section 2X25mm ²
						2P Electromagnetic type 	2.0	
	3P Electronic type 					2.8		
	3P Electromagnetic type 					2.8		
	4P Electronic type 					3.0		
	4P Electromagnetic type 					3.0		

5 Electrical Accessory

Type	Control voltage		Type	Control voltage		Type
	(VAC)	(VDC)		(VAC)	(VDC)	
MX Shunt trip until 	110...415	110...130	MN Undervoltage trip unit instantaneous trip MN Delayed trip 	220...240	-	SD Alarm contact 
	48	48		48	48	
	12/24	12/24		220...240	-	
MX+OF Shunt trip unit 	110...415	110...130	MV Undervoltage trip unit 	230	-	OF Status indicator contact 
	48	48				
	12/24	12/24				
						OF+SD/OF Dual switch contact 

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6 Outline and Installation Dimension (Dimensions in mm)



Size (mm)	Pole
Size 1	2P Integrated, 2P Leakage module
Size 2	2P Integrated+Electrical Accessory, 2P Leakage module+Electrical Accessory
Size 3	2P Combination type, 2P Combination type+Electrical Accessory, 2P Integrated+Electrical Accessory, 3P Integrated+Electrical Accessory, 3P Integrated, 4P Integrated, 4P Leakage module, 4P Leakage module+Electrical Accessory