

HDM3L Earth-Leakage Circuit Breaker

HDM3L Technical Parameters
Standard: IEC/EN 60947-2



Basic parameters		HDM3L-125	HDM3L-160
Rated voltage Ue(V)		400/415	400/415
Rated current In(A)		16/20/25/32/40/50/63/80/100/125	100/125/140/160
Rated insulation voltage U _i (V)		800	800
Rated impulse withstand voltage U _{imp} (kV)		8	8
Number of poles		3/4 (A,B)	3/4 (A,B)
Rated residual operating current I _{Δn} mA (three rating adjustable)	Non- delay type	KA: 30mA,100mA,300mA KB: 100mA,300mA,500mA KB: 100mA,300mA,500mA	KA: 30mA,100mA,300mA KB: 100mA,300mA,500mA
	Delay type	KB: 100mA,300mA,500mA	KB: 100mA,300mA,500mA
Rated residual non-tripping current I _{Δno} (mA)		50% I _{Δn}	50% I _{Δn}
Non-delay type: breaking time		≤ 0.2	≤ 0.2
Fixed delay: 2I _{Δn} limit non-actuating time (s)		0.1/0.2/0.3/0.4/0.5/1	0.1/0.2/0.3/0.4/0.5/1
Delay adjustable type: limit non-actuating time S under 2I _{Δn} state		Y1: 0.1/0.2/0.3s Y2: 0.4/0.5/1s	Y1: 0.1/0.2/0.3s Y2: 0.4/0.5/1s
Breaking capacity		S F	S F
I _{cu} (415V) 50Hz/60Hz		35	35
I _{cs} (415V) 50Hz/60Hz		21	21
Rated residual short-circuit making capacity I _{Δm} (kA)		25% I _{cu}	25% I _{cu}
Mechanical life with maintenance		40000	40000
Mechanical life without maintenance		20000	20000
Electrical life 400V		8000	8000
Modular mounting of accessories		☑	☑
Isolation function		☑	☑
Protection type	Distribution protection	☑	☑
	Motor protection	☑	☑
Tripping	Thermal magnetic tripping	☑	☑
	Thermal magnetic tripping	☑	☑
Wiring mode	Fixed front connection	☑	☑
	Fixed rear connection	☑	☑
Plug-in rear connection	3P	92x150x93.5	107*165*94
	4P	122x150x93.5	142*165*94
Product accessories			
Shunt release		☑	☑
Alarm contact		☑	☑
Auxiliary contacts (1NO1NC)		☑	☑
Auxiliary contacts (2NO2NC)		☑	☑
Leakage alarm tripping module		☑	☑
Leakage alarm non-tripping module		☑	☑
Extension terminal		☑	☑
Electronic motor operating mechanism CD2		☑	☑
Round handle operating mechanism		☑	☑
Round extended-handle operating mechanism		☑	☑
Square handle operating mechanism		☑	☑
Square extended-handle operating mechanism		☑	☑
Interphase barriers		☑	☑
Certification		CE	CE

Note: when the rated residual current I_n is at 30mA-100mA-300mA rating, the delay duration can only be chosen as non-delay mode

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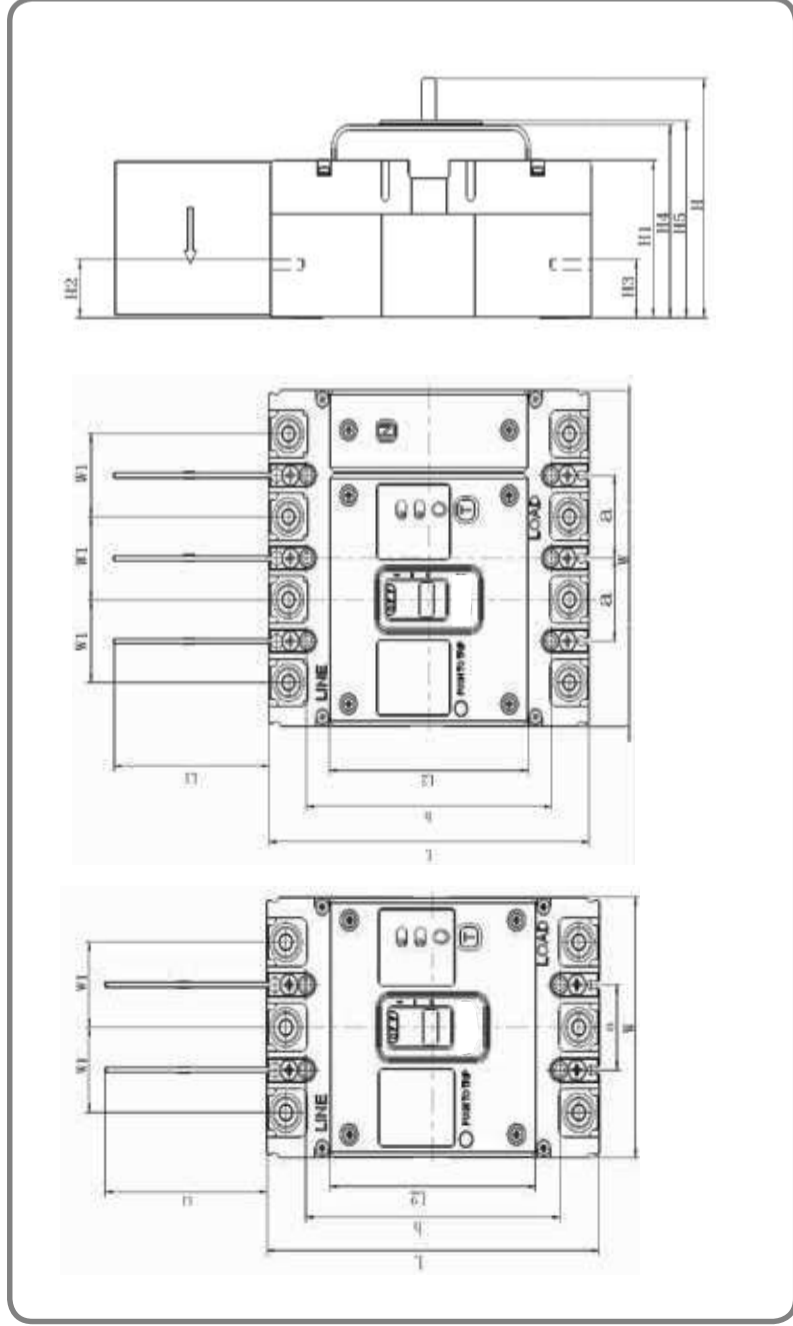
Basic parameters		HDM3L-250	HDM3L-400	HDM3L-630
Rated voltage Ue(V)		400/415	400/415	400/415
Rated current In(A)		100/125/140/160/180/200/225/250	200/225/250/315/350/400	400/500/630
Rated insulation voltage U _i (V)		800	800	800
Rated impulse withstand voltage U _{imp} (kV)		8	8	8
Number of poles		3/4 (A,B)	3/4 (A,B)	3/4 (A,B)
Rated residual operating current I _{Δn} mA (three rating adjustable)	Non- delay type	KA: 30mA,100mA,300mA KB: 100mA,300mA,500mA KB: 100mA,300mA,500mA	KB: 100mA,300mA,500mA KC: 300mA,500mA,1000mA KB: 100mA,300mA,500mA KC: 300mA,500mA,1000mA	KB: 100mA,300mA,500mA KC: 300mA,500mA,1000mA KB: 100mA,300mA,500mA KC: 300mA,500mA,1000mA
	Delay type	KB: 100mA,300mA,500mA	KB: 100mA,300mA,500mA KC: 300mA,500mA,1000mA	KB: 100mA,300mA,500mA KC: 300mA,500mA,1000mA
Rated residual non-tripping current I _{Δno} (mA)		50% I _{Δn}	50% I _{Δn}	50% I _{Δn}
Non-delay type: breaking time		≤ 0.2	≤ 0.2	≤ 0.2
Fixed delay: 2I _{Δn} limit non-actuating time (s)		0.1/0.2/0.3/0.4/0.5/1	0.1/0.2/0.3/0.4/0.5/1	-
Delay adjustable type: limit non-actuating time S under 2I _{Δn} state		Y1: 0.1/0.2/0.3s Y2: 0.4/0.5/1s	Y1: 0.1/0.2/0.3s Y2: 0.4/0.5/1s	0/0.2/0.5
				/
Breaking capacity		S F	S F	S F
I _{cu} (415V) 50Hz/60Hz		35	50	50
I _{cs} (415V) 50Hz/60Hz		21	30	30
Rated residual short-circuit making capacity I _{Δm} (kA)		25% I _{cu}	25% I _{cu}	25% I _{cu}
Mechanical life with maintenance		40000	20000	20000
Mechanical life without maintenance		20000	10000	10000
Electrical life 400V		8000	7500	7500
Modular mounting of accessories		☑	☑	☑
Isolation function		☑	☑	☑
Protection type	Distribution protection	☑	☑	☑
	Motor protection	☑	☑	☑
Tripping	Thermal magnetic tripping	☑	☑	☑
	Thermal magnetic tripping	☑	☑	☑
Wiring mode	Fixed front connection	☑	☑	☑
	Fixed rear connection	☑	☑	☑
Plug-in rear connection	3P	107*165*94	150*257*107.5	210*280*111
	4P	142*165*94	198*257*107.5	280*280*111
Product accessories				
Shunt release		☑	☑	☑
Alarm contact		☑	☑	☑
Auxiliary contacts (1NO1NC)		☑	☑	☑
Auxiliary contacts (2NO2NC)		☑	☑	☑
Leakage alarm tripping module		☑	☑	☑
Leakage alarm non-tripping module		☑	☑	☑
Extension terminal		☑	☑	☑
Electronic motor operating mechanism CD2		☑	☑	☑
Round handle operating mechanism		☑	☑	☑
Round extended-handle operating mechanism		☑	☑	☑
Square handle operating mechanism		☑	☑	☑
Square extended-handle operating mechanism		☑	☑	☑
Interphase barriers		☑	☑	☑
Certification		CE	CE	CE

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HDM3L Fixed front connection installation dimension



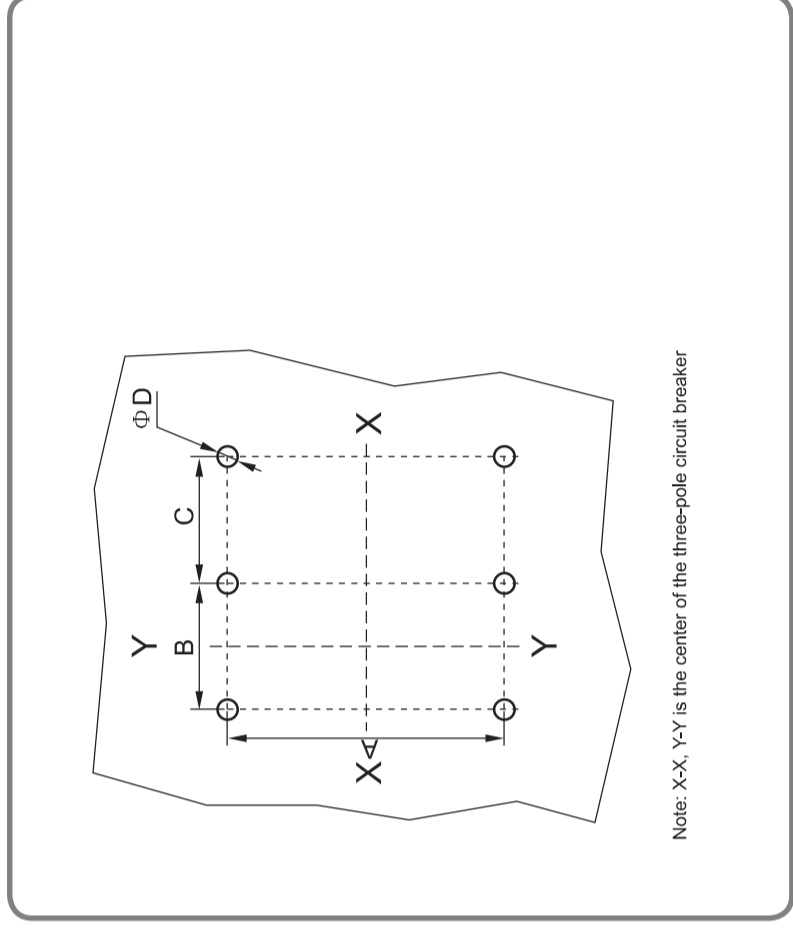
Frame	Number of poles	appearance dimension										Mounting dimension					unit mm
		L	L1	L2	W	W1	H	H1	H2	H3	H4	H5	a	b			
125	3P	150	50	96	92	30	111.5	81	28.5	28	93.5	95.5	30	129			
	4P				122												
160/250	3P	165	80	102	107	35	112.5	80	23	23	94	95.5	35	126			
	4P				142												
400	3P	257	104.5	150	150	48	145.9	96.2	36	36/36.5	107.5	112.5	44	215			
	4P				198												
630	3P	280	102	102	210	70	160	108	40.5	41.5	111	119	70	243			
	4P				280												

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HDM3L Fixed front connection installation hole



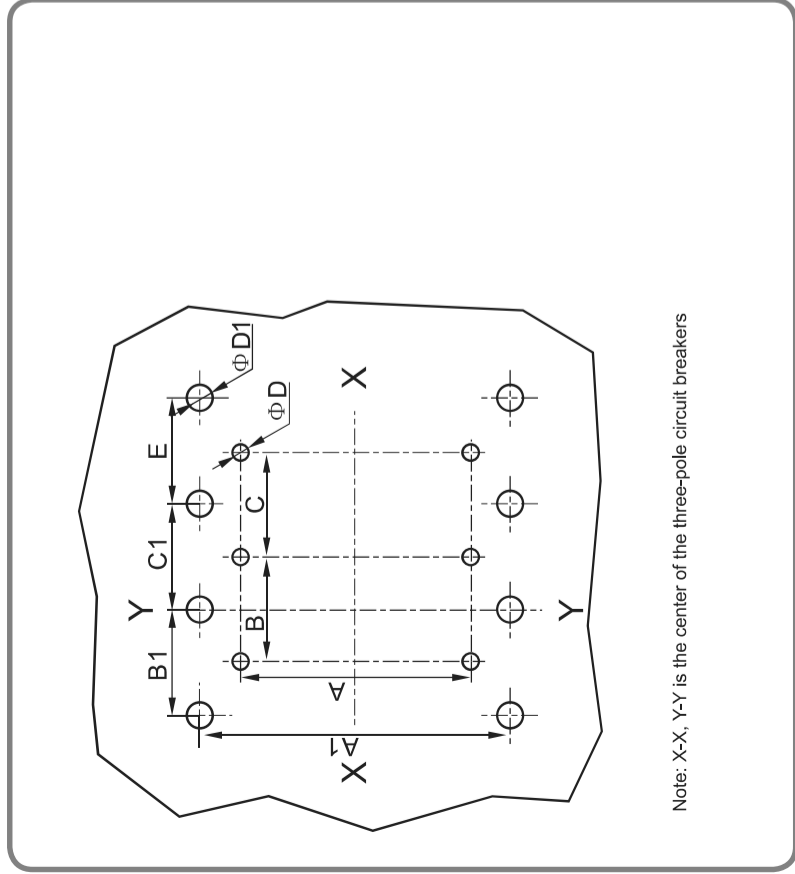
Frame	Number of poles	A	B	C	D	unit mm
125	3P	129	30	-	5.0	
	4P	129	30	30	5.0	
160/250	3P	126	35	-	5.5	
	4P	126	35	35	5.5	
400	3P	215	44	-	6.5	
	4P	215	44	-	6.5	
630	3P	243	70	-	7.5	
	4P	243	70	70	7.5	

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HDM3L Fixed rear connection installation hole



Note: X-X, Y-Y is the center of the three-pole circuit breakers

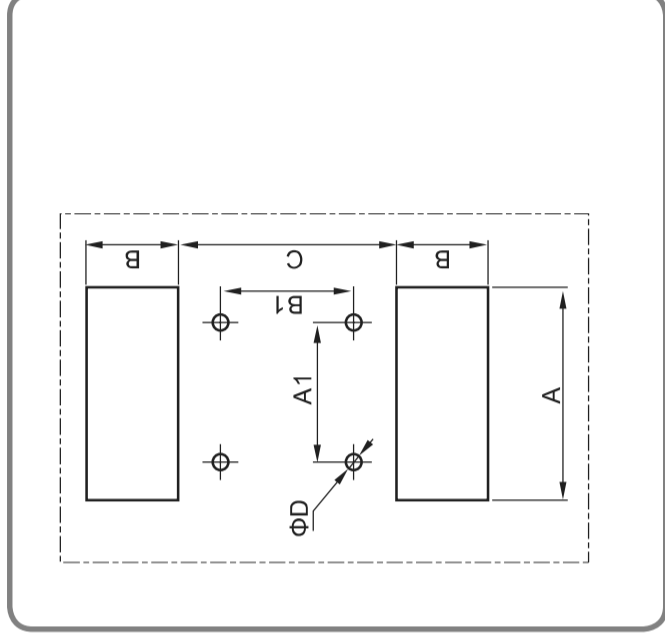
Frame	Number of poles	A	B	C	ΦD	A1	B1	C1	E	ΦD1
125	3P	129	30	-	5.0	132	30	30	-	15
	4P	129	30	30	5.0	132	30	30	30	15
160/250	3P	126	35	-	5.5	145	35	35	-	15
	4P	126	35	35	5.5	145	35	35	35	15
400	3P	215	44	-	6.5	225	48	48	-	32
	4P	215	44	-	6.5	225	48	48	48	32
630	3P	243	70	-	7.5	243	70	70	-	40
	4P	243	70	70	7.5	243	70	70	70	40

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HDM3L plug-in rear connection hole



Frame	Number of poles	A	A1	B	B1	C	ΦD
125	3P	92	60	-	60	102	4.5
	4P	122	90	30	60	102	4.5
160/250	3P	109	70	-	74.5	104	6
	4P	144	105	40	74.5	104	6
400	3P	152	88	-	145	170	8.5
	4P	200	132	54	145	170	8.5
630	3P	212	140	-	143	185	11
	4P	282	210	62	143	185	11

HDM3L plug-in front connection hole

*Refer to above chart of "plug-in rear connection hole"

Frame	Number of poles	A	A1	B	B1	C	ΦD
125	3P	/	30	/	112	/	5
	4P	/	30	/	112	/	5
160/250	3P	/	35	/	150	/	5
	4P	/	35	/	150	/	5

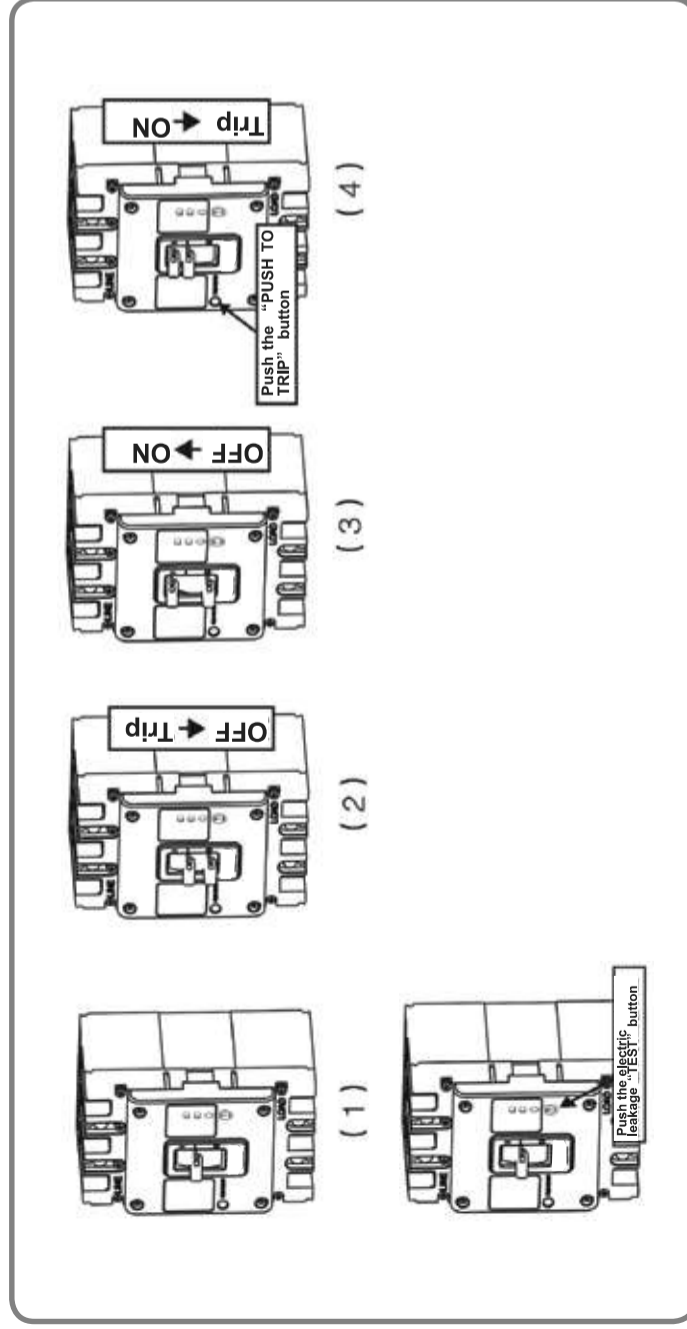
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Debugging and maintenance
Standard:IEC/EN 60947-2

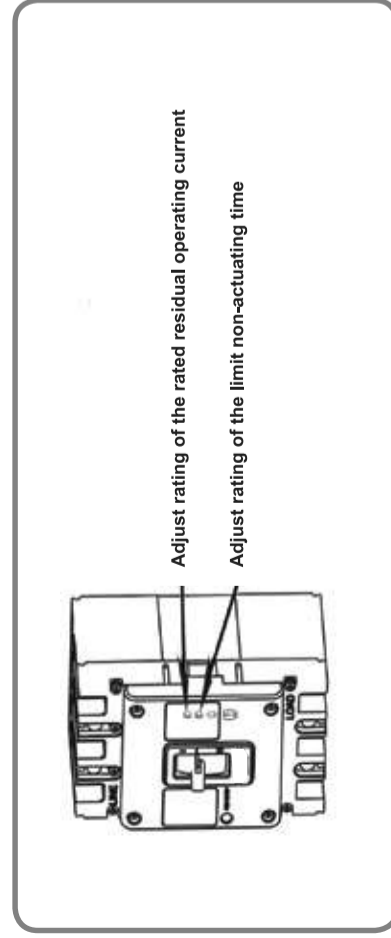


HDM3L Operation and debugging

- Step 1. Check the handle state of the circuit breaker
1. Default position of the circuit breaker is at the "TRIP" position
 2. Press the handle to the "OFF" position before tripping operation
 3. Close the circuit breaker to the "ON" position
 4. Upon pressing the "PUSH TO TRIP" button, the handle of the circuit breaker should return to the "TRIP" position
 5. The leakage test button needs to be pressed once every month, to check whether the leakage function of the product is valid



Step 2: Select the correct rating for the rated residual operating current and limit non-actuating time



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Debugging and maintenance
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HDM3L Repair and maintenance

- The repair and maintenance must be operated by qualified persons;
- Superior power must be cut off to ensure the incoming terminals are electrically neutral (except for the testing items using the leakage testing button);
- Conduct maintenance and protection once a year under normal operating conditions with the maintenance content as follow:

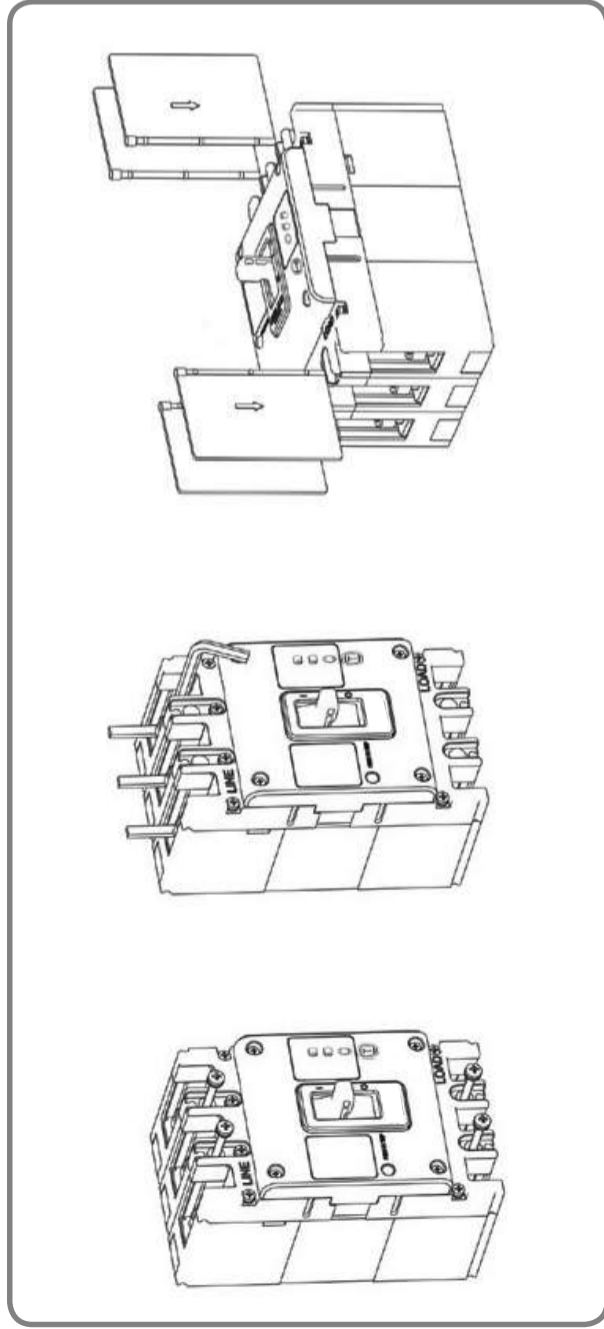
Type	Item	Details
Leakage molded frame circuit breaker	Appearance	Free from dust, condensation, to be cleaned if necessary
	Flash barrier	Free from damage
	Connector connection	No color degradation of the frame and the connecting terminal
	Handle On/Off operation	Inserting the flash barrier in place according to the instructions
	Trip button	Tighten without looseness according to the torque table
	Insulation test	Flexible in operations
	Test with the leakage testing button	After tripping, the handle directs to the tripping position
	With shunt release	Test according to the product testing requirements on the home page
	With auxiliary contacts	With the leakage testing button pressed once every month, the circuit breaker should be normally opened and closed. Time to press the test button cannot be too long. If the product trip every month, do not press it repeatedly. Please contact the local dealer to resolve the problem.
	With alarm contacts	The circuit breaker shall be disconnected reliably and the handle indicates trip if the release is provided with rated voltage
Circuit breaker with accessories	With auxiliary contacts	The switching signal of the auxiliary contact shall be normal when the circuit breaker is connected and then disconnected.
	With alarm contacts	The switching signal of the alarm contact shall be normal when the circuit breaker is closed and then tripped by pressing the trip button.

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Appendix
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HDM3L torque table and connecting conductors



Torque and connecting conductor table

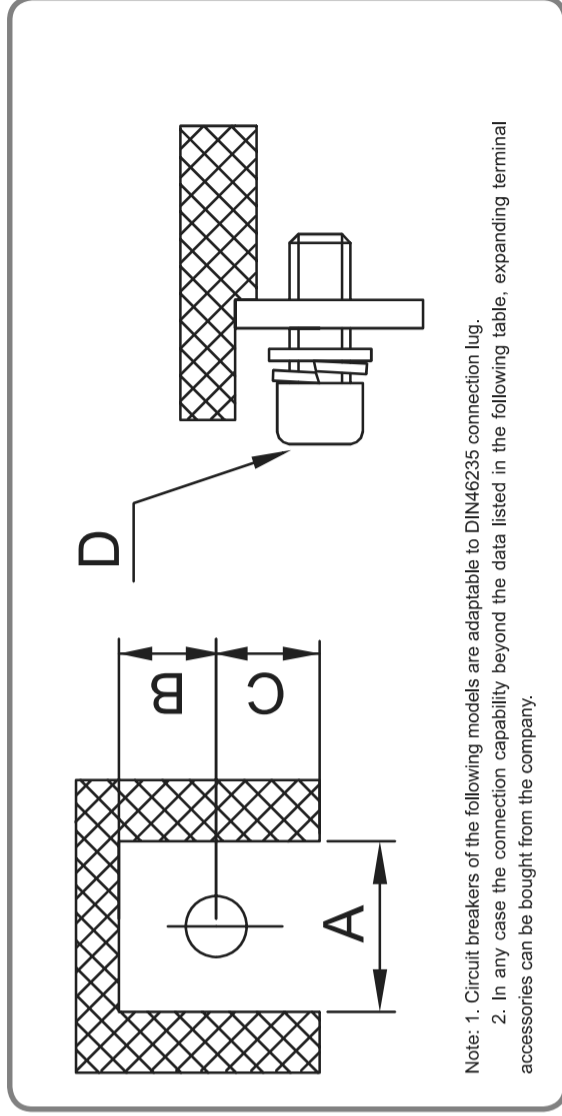
Frame	Hexagon	Torque force N.m
125	M8	9.5-10.5
160/250	M8	9.5-10.5
400	M10	19.5-20.5
630	M12	29.5-30.5

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Appendix
Standard: IEC/EN 60947-2



Figure of HDM3L terminal board mounting holes (mm)



Model	Maximum connecting capability of DIN46235	A	B	C	D
125	25mm ²	18	7.5	9	M8X16
160/250	70mm ²	25	12.5	9.5	M8X20
400	120mm ²	32	14	16	M10X25
630	-	44.5	12	16	M12X30

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Appendix
Standard: IEC/EN 60947-2

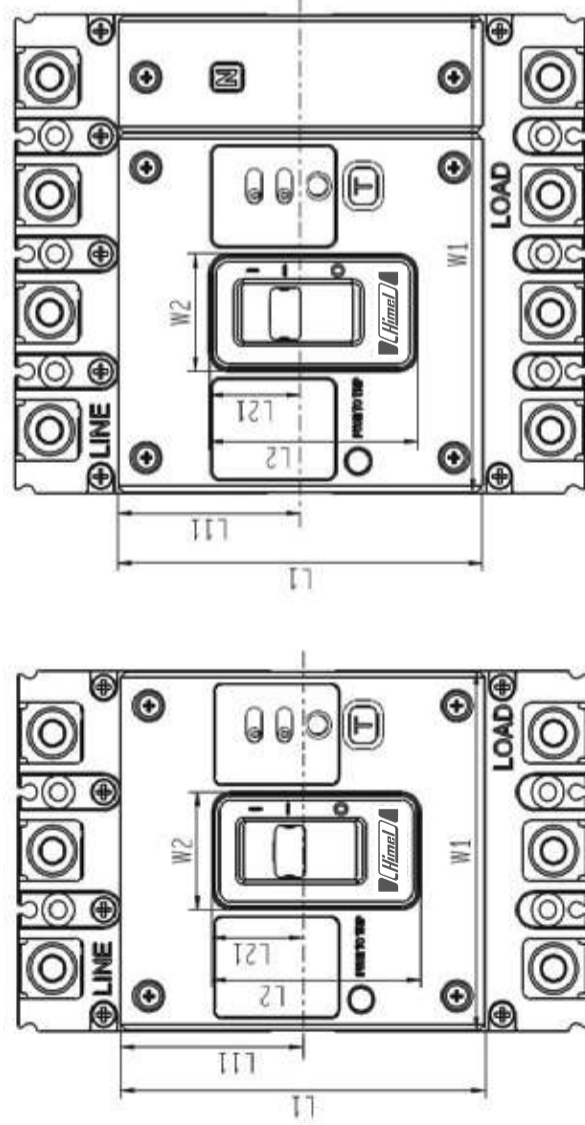


HDM3L Earth-Leakage Circuit Breaker

Product selection
Standard: IEC/EN 60947-2



Hole dimension for HDM3L-125A~630A fixed or plug-in breaker panel (mm)



HDM3L-125A~630A 3P

HDM3L-125A~630A 4P

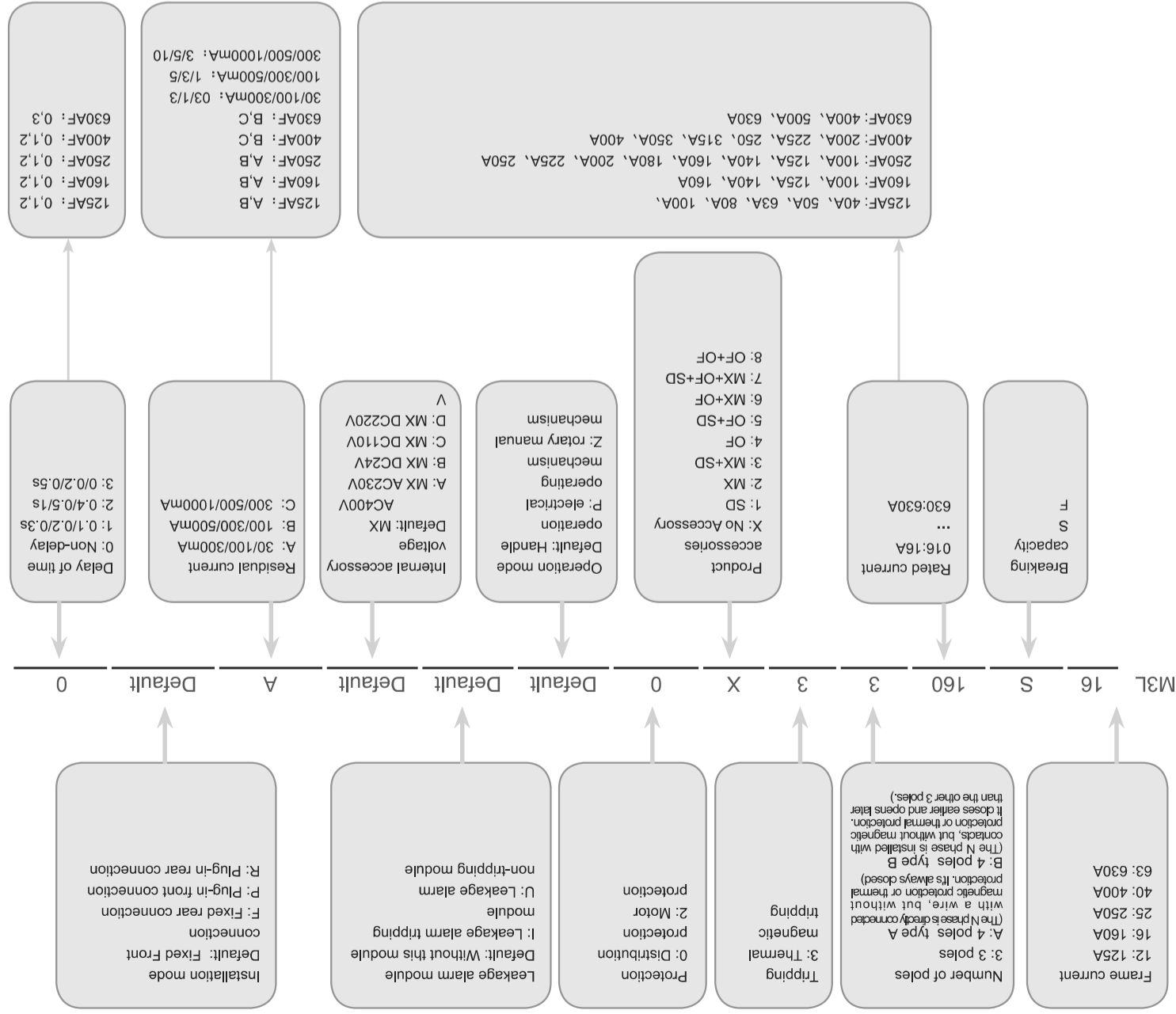
Model	Number of poles	Show front cover and toggle handle				Only show toggle handle			
		W1	L1	L11	L21	W2	L2	L21	L21
125	3P	92	96	48	48	30	55	24	24
	4P	122	96	48	48	30	55	24	24
160/250	3P	107	102	51	51	26	54	27	27
	4P	142	102	51	51	26	54	27	27
400	3P	150	150	75	75	52.5	75.5	41	41
	4P	198	150	75	75	52.5	75.5	41	41
630	3P	210	102	61	61	65	102	51	51
	4P	280	102	61	61	65	102	51	51

HDM3L Earth-Leakage Circuit Breaker

Product selection
Standard:IEC/EN 60947-2



For example: HDM3L16S16033000A0 HDM3L-160S/3300 160A 03/1/3



- Note: 1
1. Motor protection of 630A is not available;
2. Plug-in front connection is available for 400A & above
3. Delay duration: 0/0.2/0.5s for 630A is adjustable
4. Time-delay product is unavailable for 30/100/300mA;

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Product selection
Standard:IEC/EN 60947-2



Accessory selection, HDM3L

HDM3L	Current frame	Breaking Capacity	Accessories	Voltage Type	Installation Position	Poles
	100	F	H1	A2	L	3P
	125:25A	S	AL1:Alarm (with wire) AL2:Alarm (with terminal) MX1:Shunt release (with wire) MX2:Shunt release (with terminal) OF11K1B:Auxiliary contact left(with wire) OF11K2B:Auxiliary contact left(with terminal)	MX shunt: A2:AC230V A3:AC400V D1:DC110V D2:DC24V D3:DC220V	L:Left R:Right	3P:3P 4P:4P
	160:160A	F	C3:Expanding terminal 3P(3pcs) C4:Expanding terminal 4P(4pcs) IB3:Interphase clapboard 3P(2pcs) IB4:Interphase clapboard 4P(3pcs) OFAL1:Auxiliary contact&Alarm (with wire) OFAL2:Auxiliary contact&Alarm (with terminal) CD1:AC Electric operating mechanism CD2:DC Electric operating mechanism			
	250:250A					
	400:400A					
	630:630A					

HDM3L Earth-Leakage Circuit Breaker

Product selection
Standard:IEC/EN 60947-2



Material Order Number

HDM3L Motor protection Thermal-magnetic tripping

Product Specification	In(A)	Poles	Residual Current	Delay Time	Order Reference	
HDM3L -125F	40	3P	30/100/300mA	Not Delay Time Type	HDM3L12F04033X0A0	
			100/300/500mA	Not Delay Time Type	HDM3L12F04033X0B0	
		4P(A)	100/300/500mA	0.1/0.2/0.3s	HDM3L12F04033X0B1	
			30/100/300mA	0.4/0.5/1s	HDM3L12F04033X0B2	
	50	4P(B)	30/100/300mA	Not Delay Time Type	HDM3L12F040A3X0A0	
			100/300/500mA	Not Delay Time Type	HDM3L12F040A3X0B0	
		3P	100/300/500mA	0.1/0.2/0.3s	HDM3L12F040A3X0B1	
			30/100/300mA	0.4/0.5/1s	HDM3L12F040A3X0B2	
	HDM3L -125F	63	4P(A)	30/100/300mA	Not Delay Time Type	HDM3L12F05033X0A0
				100/300/500mA	Not Delay Time Type	HDM3L12F05033X0B0
			4P(B)	100/300/500mA	0.1/0.2/0.3s	HDM3L12F05033X0B1
				30/100/300mA	0.4/0.5/1s	HDM3L12F05033X0B2
40		3P	30/100/300mA	Not Delay Time Type	HDM3L12F050A3X0A0	
			100/300/500mA	Not Delay Time Type	HDM3L12F050A3X0B0	
		4P(A)	100/300/500mA	0.1/0.2/0.3s	HDM3L12F050A3X0B1	
			30/100/300mA	0.4/0.5/1s	HDM3L12F050A3X0B2	
63		4P(B)	30/100/300mA	Not Delay Time Type	HDM3L12F050B3X0A0	
			100/300/500mA	Not Delay Time Type	HDM3L12F050B3X0B0	
		3P	100/300/500mA	0.1/0.2/0.3s	HDM3L12F050B3X0B1	
			30/100/300mA	0.4/0.5/1s	HDM3L12F050B3X0B2	
HDM3L -125F	40	3P	30/100/300mA	Not Delay Time Type	HDM3L12F06333X0A0	
			100/300/500mA	Not Delay Time Type	HDM3L12F06333X0B0	
		4P(A)	100/300/500mA	0.1/0.2/0.3s	HDM3L12F06333X0B1	
			30/100/300mA	0.4/0.5/1s	HDM3L12F06333X0B2	
	63	4P(B)	30/100/300mA	Not Delay Time Type	HDM3L12F063A3X0A0	
			100/300/500mA	Not Delay Time Type	HDM3L12F063A3X0B0	
		3P	100/300/500mA	0.1/0.2/0.3s	HDM3L12F063A3X0B1	
			30/100/300mA	0.4/0.5/1s	HDM3L12F063A3X0B2	
	HDM3L -125F	40	4P(B)	30/100/300mA	Not Delay Time Type	HDM3L12F063B3X0A0
				100/300/500mA	Not Delay Time Type	HDM3L12F063B3X0B0
			3P	100/300/500mA	0.1/0.2/0.3s	HDM3L12F063B3X0B1
				30/100/300mA	0.4/0.5/1s	HDM3L12F063B3X0B2

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Material Order Number

HDM3L Motor protection Thermal-magnetic tripping

Product Specification	In(A)	Poles	Residual Current	Delay Time	Order Reference	
HDM3L -125F	80	3P	30/100/300mA	Not Delay Time Type	HDM3L12F08033X0A0	
			100/300/500mA	Not Delay Time Type	HDM3L12F08033X0B0	
		4P(A)	100/300/500mA	0.1/0.2/0.3s	HDM3L12F08033X0B1	
			30/100/300mA	0.4/0.5/1s	HDM3L12F08033X0B2	
	100	4P(B)	30/100/300mA	Not Delay Time Type	HDM3L12F080A3X0A0	
			100/300/500mA	Not Delay Time Type	HDM3L12F080A3X0B0	
		3P	100/300/500mA	0.1/0.2/0.3s	HDM3L12F080A3X0B1	
			30/100/300mA	0.4/0.5/1s	HDM3L12F080A3X0B2	
	HDM3L -125F	40	3P	30/100/300mA	Not Delay Time Type	HDM3L12F10033X0A0
				100/300/500mA	Not Delay Time Type	HDM3L12F10033X0B0
			4P(A)	100/300/500mA	0.1/0.2/0.3s	HDM3L12F10033X0B1
				30/100/300mA	0.4/0.5/1s	HDM3L12F10033X0B2
63		4P(B)	30/100/300mA	Not Delay Time Type	HDM3L12F100A3X0A0	
			100/300/500mA	Not Delay Time Type	HDM3L12F100A3X0B0	
		3P	100/300/500mA	0.1/0.2/0.3s	HDM3L12F100A3X0B1	
			30/100/300mA	0.4/0.5/1s	HDM3L12F100A3X0B2	
HDM3L -125F		40	4P(B)	30/100/300mA	Not Delay Time Type	HDM3L12F100B3X0A0
				100/300/500mA	Not Delay Time Type	HDM3L12F100B3X0B0
			3P	100/300/500mA	0.1/0.2/0.3s	HDM3L12F100B3X0B1
				30/100/300mA	0.4/0.5/1s	HDM3L12F100B3X0B2
	63	4P(A)	30/100/300mA	Not Delay Time Type	HDM3L12S04033X0A0	
			100/300/500mA	Not Delay Time Type	HDM3L12S04033X0B0	
		4P(B)	100/300/500mA	0.1/0.2/0.3s	HDM3L12S04033X0B1	
			30/100/300mA	0.4/0.5/1s	HDM3L12S04033X0B2	
	HDM3L -125F	40	4P(A)	30/100/300mA	Not Delay Time Type	HDM3L12S040A3X0A0
				100/300/500mA	Not Delay Time Type	HDM3L12S040A3X0B0
			3P	100/300/500mA	0.1/0.2/0.3s	HDM3L12S040A3X0B1
				30/100/300mA	0.4/0.5/1s	HDM3L12S040A3X0B2
63		4P(B)	30/100/300mA	Not Delay Time Type	HDM3L12S040B3X0A0	
			100/300/500mA	Not Delay Time Type	HDM3L12S040B3X0B0	
		3P	100/300/500mA	0.1/0.2/0.3s	HDM3L12S040B3X0B1	
			30/100/300mA	0.4/0.5/1s	HDM3L12S040B3X0B2	

HDM3L Earth-Leakage Circuit Breaker

Product selection
Standard: IEC/EN 60947-2



Accessory selection, HDM3L

HDM3L Motor protection Thermal-magnetic tripping

Product Specification	In(A)	Poles	Residual Current	Delay Time	Order Reference
HDM3L -125S	50	3P	30/100/300mA	Not Delay Time Type	HDM3L12S05033X0A0
			100/300/500mA	Not Delay Time Type	HDM3L12S05033X0B0
				0.1/0.2/0.3s	HDM3L12S05033X0B1
		4P(A)		0.4/0.5/1s	HDM3L12S05033X0B2
			30/100/300mA	Not Delay Time Type	HDM3L12S050A3X0A0
				Not Delay Time Type	HDM3L12S050A3X0B0
	63	4P(B)	100/300/500mA	0.1/0.2/0.3s	HDM3L12S050A3X0B1
				0.4/0.5/1s	HDM3L12S050A3X0B2
			30/100/300mA	Not Delay Time Type	HDM3L12S050B3X0A0
				Not Delay Time Type	HDM3L12S050B3X0B0
			100/300/500mA	0.1/0.2/0.3s	HDM3L12S050B3X0B1
				0.4/0.5/1s	HDM3L12S050B3X0B2
80	3P	30/100/300mA	30/100/300mA	Not Delay Time Type	HDM3L12S06333X0A0
			100/300/500mA	Not Delay Time Type	HDM3L12S06333X0B0
				0.1/0.2/0.3s	HDM3L12S06333X0B1
		4P(A)		0.4/0.5/1s	HDM3L12S06333X0B2
			30/100/300mA	Not Delay Time Type	HDM3L12S063A3X0A0
				Not Delay Time Type	HDM3L12S063A3X0B0
	4P(B)		100/300/500mA	0.1/0.2/0.3s	HDM3L12S063A3X0B1
				0.4/0.5/1s	HDM3L12S063A3X0B2
			30/100/300mA	Not Delay Time Type	HDM3L12S063B3X0A0
				Not Delay Time Type	HDM3L12S063B3X0B0
			100/300/500mA	0.1/0.2/0.3s	HDM3L12S063B3X0B1
				0.4/0.5/1s	HDM3L12S063B3X0B2
125	3P	30/100/300mA	30/100/300mA	Not Delay Time Type	HDM3L12S08033X0A0
			100/300/500mA	Not Delay Time Type	HDM3L12S08033X0B0
				0.1/0.2/0.3s	HDM3L12S08033X0B1
		4P(A)		0.4/0.5/1s	HDM3L12S08033X0B2
			30/100/300mA	Not Delay Time Type	HDM3L12S080A3X0A0
				Not Delay Time Type	HDM3L12S080A3X0B0
	4P(B)		100/300/500mA	0.1/0.2/0.3s	HDM3L12S080A3X0B1
				0.4/0.5/1s	HDM3L12S080A3X0B2
			30/100/300mA	Not Delay Time Type	HDM3L12S080B3X0A0
				Not Delay Time Type	HDM3L12S080B3X0B0
			100/300/500mA	0.1/0.2/0.3s	HDM3L12S080B3X0B1
				0.4/0.5/1s	HDM3L12S080B3X0B2
160F	100	3P	30/100/300mA	Not Delay Time Type	HDM3L16F10033X0A0
			100/300/500mA	Not Delay Time Type	HDM3L16F10033X0B0
				0.1/0.2/0.3s	HDM3L16F10033X0B1
		4P(A)		0.4/0.5/1s	HDM3L16F10033X0B2
			30/100/300mA	Not Delay Time Type	HDM3L16F100A3X0A0
				Not Delay Time Type	HDM3L16F100A3X0B0
	125	4P(B)	100/300/500mA	0.1/0.2/0.3s	HDM3L16F100A3X0B1
				0.4/0.5/1s	HDM3L16F100A3X0B2
			30/100/300mA	Not Delay Time Type	HDM3L16F100B3X0A0
				Not Delay Time Type	HDM3L16F100B3X0B0
			100/300/500mA	0.1/0.2/0.3s	HDM3L16F100B3X0B1
				0.4/0.5/1s	HDM3L16F100B3X0B2

HDM3L Earth-Leakage Circuit Breaker

Product selection
Standard: IEC/EN 60947-2



Accessory selection, HDM3L

Product Specification	In(A)	Poles	Residual Current	Delay Time	Order Reference
HDM3L -125S	100	3P	30/100/300mA	Not Delay Time Type	HDM3L12S10033X0A0
			100/300/500mA	Not Delay Time Type	HDM3L12S10033X0B0
				0.1/0.2/0.3s	HDM3L12S10033X0B1
		4P(A)		0.4/0.5/1s	HDM3L12S10033X0B2
			30/100/300mA	Not Delay Time Type	HDM3L12S100A3X0A0
				Not Delay Time Type	HDM3L12S100A3X0B0
	125	4P(B)	100/300/500mA	0.1/0.2/0.3s	HDM3L12S100A3X0B1
				0.4/0.5/1s	HDM3L12S100A3X0B2
			30/100/300mA	Not Delay Time Type	HDM3L12S100B3X0A0
				Not Delay Time Type	HDM3L12S100B3X0B0
			100/300/500mA	0.1/0.2/0.3s	HDM3L12S100B3X0B1
				0.4/0.5/1s	HDM3L12S100B3X0B2

HDM3L Earth-Leakage Circuit Breaker

Product selection
Standard: IEC/EN 60947-2



Accessory selection, HDM3L

HDM3L Motor protection Thermal-magnetic tripping

Product Specification	In(A)	Poles	Residual Current	Delay Time	Order Reference
HDM3L -160F	140	3P	30/100/300mA	Not Delay Time Type	HDM3L16F14033X0A0
			100/300/500mA	Not Delay Time Type	HDM3L16F14033X0B0
		4P(A)	100/300/500mA	0.1/0.2/0.3s	HDM3L16F14033X0B1
			30/100/300mA	0.4/0.5/1s	HDM3L16F14033X0B2
	4P(B)	30/100/300mA	100/300/500mA	Not Delay Time Type	HDM3L16F140A3X0A0
			100/300/500mA	Not Delay Time Type	HDM3L16F140A3X0B0
		4P(A)	100/300/500mA	0.1/0.2/0.3s	HDM3L16F140A3X0B1
			30/100/300mA	0.4/0.5/1s	HDM3L16F140A3X0B2
	160	3P	30/100/300mA	Not Delay Time Type	HDM3L16F16033X0A0
			100/300/500mA	Not Delay Time Type	HDM3L16F16033X0B0
		4P(A)	100/300/500mA	0.1/0.2/0.3s	HDM3L16F16033X0B1
			30/100/300mA	0.4/0.5/1s	HDM3L16F16033X0B2
HDM3L -160S	100	3P	30/100/300mA	Not Delay Time Type	HDM3L16S10033X0A0
			100/300/500mA	Not Delay Time Type	HDM3L16S10033X0B0
		4P(A)	100/300/500mA	0.1/0.2/0.3s	HDM3L16S10033X0B1
			30/100/300mA	0.4/0.5/1s	HDM3L16S10033X0B2
	4P(B)	30/100/300mA	100/300/500mA	Not Delay Time Type	HDM3L16S100A3X0A0
			100/300/500mA	Not Delay Time Type	HDM3L16S100A3X0B0
		4P(A)	100/300/500mA	0.1/0.2/0.3s	HDM3L16S100A3X0B1
			30/100/300mA	0.4/0.5/1s	HDM3L16S100A3X0B2
	160	3P	30/100/300mA	Not Delay Time Type	HDM3L16S16033X0A0
			100/300/500mA	Not Delay Time Type	HDM3L16S16033X0B0
		4P(A)	100/300/500mA	0.1/0.2/0.3s	HDM3L16S16033X0B1
			30/100/300mA	0.4/0.5/1s	HDM3L16S16033X0B2

HDM3L Earth-Leakage Circuit Breaker

Product selection
Standard: IEC/EN 60947-2



Accessory selection, HDM3L

HDM3L Motor protection Thermal-magnetic tripping

Product Specification	In(A)	Poles	Residual Current	Delay Time	Order Reference
HDM3L -160S	125	3P	30/100/300mA	Not Delay Time Type	HDM3L16S12533X0A0
			100/300/500mA	Not Delay Time Type	HDM3L16S12533X0B0
		4P(A)	100/300/500mA	0.1/0.2/0.3s	HDM3L16S12533X0B1
			30/100/300mA	0.4/0.5/1s	HDM3L16S12533X0B2
	4P(B)	30/100/300mA	100/300/500mA	Not Delay Time Type	HDM3L16S125A3X0A0
			100/300/500mA	Not Delay Time Type	HDM3L16S125A3X0B0
		4P(A)	100/300/500mA	0.1/0.2/0.3s	HDM3L16S125A3X0B1
			30/100/300mA	0.4/0.5/1s	HDM3L16S125A3X0B2
	140	3P	30/100/300mA	Not Delay Time Type	HDM3L16S14033X0A0
			100/300/500mA	Not Delay Time Type	HDM3L16S14033X0B0
		4P(A)	100/300/500mA	0.1/0.2/0.3s	HDM3L16S14033X0B1
			30/100/300mA	0.4/0.5/1s	HDM3L16S14033X0B2
HDM3L -160S	160	3P	30/100/300mA	Not Delay Time Type	HDM3L16S16033X0A0
			100/300/500mA	Not Delay Time Type	HDM3L16S16033X0B0
		4P(A)	100/300/500mA	0.1/0.2/0.3s	HDM3L16S16033X0B1
			30/100/300mA	0.4/0.5/1s	HDM3L16S16033X0B2
	4P(B)	30/100/300mA	100/300/500mA	Not Delay Time Type	HDM3L16S160A3X0A0
			100/300/500mA	Not Delay Time Type	HDM3L16S160A3X0B0
		4P(A)	100/300/500mA	0.1/0.2/0.3s	HDM3L16S160A3X0B1
			30/100/300mA	0.4/0.5/1s	HDM3L16S160A3X0B2
	160	3P	30/100/300mA	Not Delay Time Type	HDM3L16S16033X0A0
			100/300/500mA	Not Delay Time Type	HDM3L16S16033X0B0
		4P(A)	100/300/500mA	0.1/0.2/0.3s	HDM3L16S16033X0B1
			30/100/300mA	0.4/0.5/1s	HDM3L16S16033X0B2

HDM3L Earth-Leakage Circuit Breaker

Product selection
Standard: IEC/EN 60947-2



Accessory selection, HDM3L

HDM3L Motor protection Thermal-magnetic tripping

Product Specification	In(A)	Poles	Residual Current	Delay Time	Order Reference
HDM3L -250F	100	3P	30/100/300mA	Not Delay Time Type	HDM3L25F10033X0A0
			100/300/500mA	Not Delay Time Type	HDM3L25F10033X0B0
		4P(A)	100/300/500mA	0.1/0.2/0.3s	HDM3L25F10033X0B1
			30/100/300mA	0.4/0.5/1s	HDM3L25F10033X0B2
	125	4P(A)	30/100/300mA	Not Delay Time Type	HDM3L25F100A3X0A0
			100/300/500mA	Not Delay Time Type	HDM3L25F100A3X0B0
		4P(B)	100/300/500mA	0.1/0.2/0.3s	HDM3L25F100A3X0B1
			30/100/300mA	0.4/0.5/1s	HDM3L25F100A3X0B2
	140	3P	30/100/300mA	Not Delay Time Type	HDM3L25F12533X0A0
			100/300/500mA	Not Delay Time Type	HDM3L25F12533X0B0
		4P(A)	100/300/500mA	0.1/0.2/0.3s	HDM3L25F12533X0B1
			30/100/300mA	0.4/0.5/1s	HDM3L25F12533X0B2
140	4P(B)	30/100/300mA	Not Delay Time Type	HDM3L25F125A3X0A0	
		100/300/500mA	Not Delay Time Type	HDM3L25F125A3X0B0	
	4P(A)	100/300/500mA	0.1/0.2/0.3s	HDM3L25F125A3X0B1	
		30/100/300mA	0.4/0.5/1s	HDM3L25F125A3X0B2	
140	4P(B)	30/100/300mA	Not Delay Time Type	HDM3L25F125B3X0A0	
		100/300/500mA	Not Delay Time Type	HDM3L25F125B3X0B0	
	4P(A)	100/300/500mA	0.1/0.2/0.3s	HDM3L25F125B3X0B1	
		30/100/300mA	0.4/0.5/1s	HDM3L25F125B3X0B2	
140	3P	30/100/300mA	Not Delay Time Type	HDM3L25F14033X0A0	
		100/300/500mA	Not Delay Time Type	HDM3L25F14033X0B0	
	4P(A)	100/300/500mA	0.1/0.2/0.3s	HDM3L25F14033X0B1	
		30/100/300mA	0.4/0.5/1s	HDM3L25F14033X0B2	
140	4P(A)	30/100/300mA	Not Delay Time Type	HDM3L25F140A3X0A0	
		100/300/500mA	Not Delay Time Type	HDM3L25F140A3X0B0	
	4P(B)	100/300/500mA	0.1/0.2/0.3s	HDM3L25F140A3X0B1	
		30/100/300mA	0.4/0.5/1s	HDM3L25F140A3X0B2	
140	4P(B)	30/100/300mA	Not Delay Time Type	HDM3L25F140B3X0A0	
		100/300/500mA	Not Delay Time Type	HDM3L25F140B3X0B0	
	4P(A)	100/300/500mA	0.1/0.2/0.3s	HDM3L25F140B3X0B1	
		30/100/300mA	0.4/0.5/1s	HDM3L25F140B3X0B2	

HDM3L Earth-Leakage Circuit Breaker

Product selection
Standard: IEC/EN 60947-2



Accessory selection, HDM3L

HDM3L Motor protection Thermal-magnetic tripping

Product Specification	In(A)	Poles	Residual Current	Delay Time	Order Reference
HDM3L -250F	180	3P	30/100/300mA	Not Delay Time Type	HDM3L25F18033X0A0
			100/300/500mA	Not Delay Time Type	HDM3L25F18033X0B0
		4P(A)	100/300/500mA	0.1/0.2/0.3s	HDM3L25F18033X0B1
			30/100/300mA	0.4/0.5/1s	HDM3L25F18033X0B2
	200	4P(A)	30/100/300mA	Not Delay Time Type	HDM3L25F180A3X0A0
			100/300/500mA	Not Delay Time Type	HDM3L25F180A3X0B0
		4P(B)	100/300/500mA	0.1/0.2/0.3s	HDM3L25F180A3X0B1
			30/100/300mA	0.4/0.5/1s	HDM3L25F180A3X0B2
	200	3P	30/100/300mA	Not Delay Time Type	HDM3L25F20033X0A0
			100/300/500mA	Not Delay Time Type	HDM3L25F20033X0B0
		4P(A)	100/300/500mA	0.1/0.2/0.3s	HDM3L25F20033X0B1
			30/100/300mA	0.4/0.5/1s	HDM3L25F20033X0B2
200	4P(A)	30/100/300mA	Not Delay Time Type	HDM3L25F200A3X0A0	
		100/300/500mA	Not Delay Time Type	HDM3L25F200A3X0B0	
	4P(B)	100/300/500mA	0.1/0.2/0.3s	HDM3L25F200A3X0B1	
		30/100/300mA	0.4/0.5/1s	HDM3L25F200A3X0B2	
200	4P(B)	30/100/300mA	Not Delay Time Type	HDM3L25F200B3X0A0	
		100/300/500mA	Not Delay Time Type	HDM3L25F200B3X0B0	
	4P(A)	100/300/500mA	0.1/0.2/0.3s	HDM3L25F200B3X0B1	
		30/100/300mA	0.4/0.5/1s	HDM3L25F200B3X0B2	
225	3P	30/100/300mA	Not Delay Time Type	HDM3L25F22533X0A0	
		100/300/500mA	Not Delay Time Type	HDM3L25F22533X0B0	
	4P(A)	100/300/500mA	0.1/0.2/0.3s	HDM3L25F22533X0B1	
		30/100/300mA	0.4/0.5/1s	HDM3L25F22533X0B2	
225	4P(A)	30/100/300mA	Not Delay Time Type	HDM3L25F225A3X0A0	
		100/300/500mA	Not Delay Time Type	HDM3L25F225A3X0B0	
	4P(B)	100/300/500mA	0.1/0.2/0.3s	HDM3L25F225A3X0B1	
		30/100/300mA	0.4/0.5/1s	HDM3L25F225A3X0B2	
225	4P(B)	30/100/300mA	Not Delay Time Type	HDM3L25F225B3X0A0	
		100/300/500mA	Not Delay Time Type	HDM3L25F225B3X0B0	
	4P(A)	100/300/500mA	0.1/0.2/0.3s	HDM3L25F225B3X0B1	
		30/100/300mA	0.4/0.5/1s	HDM3L25F225B3X0B2	



HDM3L Earth-Leakage Circuit Breaker

Product selection
Standard: IEC/EN 60947-2



Accessory selection, HDM3L

HDM3L Motor protection Thermal-magnetic tripping

Product Specification	In(A)	Poles	Residual Current	Delay Time	Order Reference	
HDM3L -250F	250	3P	30/100/300mA	Not Delay Time Type	HDM3L25F25033X0A0	
			100/300/500mA	Not Delay Time Type	HDM3L25F25033X0B0	
		4P(A)	100/300/500mA	0.1/0.2/0.3s	HDM3L25F25033X0B1	
			30/100/300mA	0.4/0.5/1s	HDM3L25F25033X0B2	
	4P(B)	30/100/300mA	Not Delay Time Type	HDM3L25F250A3X0A0		
		100/300/500mA	Not Delay Time Type	HDM3L25F250A3X0B0		
		100/300/500mA	0.1/0.2/0.3s	HDM3L25F250A3X0B1		
		30/100/300mA	0.4/0.5/1s	HDM3L25F250A3X0B2		
	HDM3L -250S	100	3P	30/100/300mA	Not Delay Time Type	HDM3L25S10033X0A0
				100/300/500mA	Not Delay Time Type	HDM3L25S10033X0B0
			4P(A)	100/300/500mA	0.1/0.2/0.3s	HDM3L25S10033X0B1
				30/100/300mA	0.4/0.5/1s	HDM3L25S10033X0B2
4P(B)		30/100/300mA	Not Delay Time Type	HDM3L25S100A3X0A0		
		100/300/500mA	Not Delay Time Type	HDM3L25S100A3X0B0		
		100/300/500mA	0.1/0.2/0.3s	HDM3L25S100A3X0B1		
		30/100/300mA	0.4/0.5/1s	HDM3L25S100A3X0B2		
HDM3L -250S		125	3P	30/100/300mA	Not Delay Time Type	HDM3L25S12533X0A0
				100/300/500mA	Not Delay Time Type	HDM3L25S12533X0B0
			4P(A)	100/300/500mA	0.1/0.2/0.3s	HDM3L25S12533X0B1
				30/100/300mA	0.4/0.5/1s	HDM3L25S12533X0B2
	4P(B)	30/100/300mA	Not Delay Time Type	HDM3L25S125A3X0A0		
		100/300/500mA	Not Delay Time Type	HDM3L25S125A3X0B0		
		100/300/500mA	0.1/0.2/0.3s	HDM3L25S125A3X0B1		
		30/100/300mA	0.4/0.5/1s	HDM3L25S125A3X0B2		
	HDM3L -250S	150	3P	30/100/300mA	Not Delay Time Type	HDM3L25S15033X0A0
				100/300/500mA	Not Delay Time Type	HDM3L25S15033X0B0
			4P(A)	100/300/500mA	0.1/0.2/0.3s	HDM3L25S15033X0B1
				30/100/300mA	0.4/0.5/1s	HDM3L25S15033X0B2
4P(B)		30/100/300mA	Not Delay Time Type	HDM3L25S150A3X0A0		
		100/300/500mA	Not Delay Time Type	HDM3L25S150A3X0B0		
		100/300/500mA	0.1/0.2/0.3s	HDM3L25S150A3X0B1		
		30/100/300mA	0.4/0.5/1s	HDM3L25S150A3X0B2		
HDM3L -250S		160	3P	30/100/300mA	Not Delay Time Type	HDM3L25S16033X0A0
				100/300/500mA	Not Delay Time Type	HDM3L25S16033X0B0
			4P(A)	100/300/500mA	0.1/0.2/0.3s	HDM3L25S16033X0B1
				30/100/300mA	0.4/0.5/1s	HDM3L25S16033X0B2
	4P(B)	30/100/300mA	Not Delay Time Type	HDM3L25S160A3X0A0		
		100/300/500mA	Not Delay Time Type	HDM3L25S160A3X0B0		
		100/300/500mA	0.1/0.2/0.3s	HDM3L25S160A3X0B1		
		30/100/300mA	0.4/0.5/1s	HDM3L25S160A3X0B2		
	HDM3L -250S	180	3P	30/100/300mA	Not Delay Time Type	HDM3L25S18033X0A0
				100/300/500mA	Not Delay Time Type	HDM3L25S18033X0B0
			4P(A)	100/300/500mA	0.1/0.2/0.3s	HDM3L25S18033X0B1
				30/100/300mA	0.4/0.5/1s	HDM3L25S18033X0B2
4P(B)		30/100/300mA	Not Delay Time Type	HDM3L25S180A3X0A0		
		100/300/500mA	Not Delay Time Type	HDM3L25S180A3X0B0		
		100/300/500mA	0.1/0.2/0.3s	HDM3L25S180A3X0B1		
		30/100/300mA	0.4/0.5/1s	HDM3L25S180A3X0B2		

HDM3L Earth-Leakage Circuit Breaker

Product selection
Standard: IEC/EN 60947-2



Accessory selection, HDM3L

HDM3L Motor protection Thermal-magnetic tripping

Product Specification	In(A)	Poles	Residual Current	Delay Time	Order Reference	
HDM3L -250S	140	3P	30/100/300mA	Not Delay Time Type	HDM3L25S14033X0A0	
			100/300/500mA	Not Delay Time Type	HDM3L25S14033X0B0	
		4P(A)	100/300/500mA	0.1/0.2/0.3s	HDM3L25S14033X0B1	
			30/100/300mA	0.4/0.5/1s	HDM3L25S14033X0B2	
	4P(B)	30/100/300mA	Not Delay Time Type	HDM3L25S140A3X0A0		
		100/300/500mA	Not Delay Time Type	HDM3L25S140A3X0B0		
		100/300/500mA	0.1/0.2/0.3s	HDM3L25S140A3X0B1		
		30/100/300mA	0.4/0.5/1s	HDM3L25S140A3X0B2		
	HDM3L -250S	160	3P	30/100/300mA	Not Delay Time Type	HDM3L25S16033X0A0
				100/300/500mA	Not Delay Time Type	HDM3L25S16033X0B0
			4P(A)	100/300/500mA	0.1/0.2/0.3s	HDM3L25S16033X0B1
				30/100/300mA	0.4/0.5/1s	HDM3L25S16033X0B2
4P(B)		30/100/300mA	Not Delay Time Type	HDM3L25S160A3X0A0		
		100/300/500mA	Not Delay Time Type	HDM3L25S160A3X0B0		
		100/300/500mA	0.1/0.2/0.3s	HDM3L25S160A3X0B1		
		30/100/300mA	0.4/0.5/1s	HDM3L25S160A3X0B2		
HDM3L -250S		180	3P	30/100/300mA	Not Delay Time Type	HDM3L25S18033X0A0
				100/300/500mA	Not Delay Time Type	HDM3L25S18033X0B0
			4P(A)	100/300/500mA	0.1/0.2/0.3s	HDM3L25S18033X0B1
				30/100/300mA	0.4/0.5/1s	HDM3L25S18033X0B2
	4P(B)	30/100/300mA	Not Delay Time Type	HDM3L25S180A3X0A0		
		100/300/500mA	Not Delay Time Type	HDM3L25S180A3X0B0		
		100/300/500mA	0.1/0.2/0.3s	HDM3L25S180A3X0B1		
		30/100/300mA	0.4/0.5/1s	HDM3L25S180A3X0B2		

HDM3L Earth-Leakage Circuit Breaker

Product selection
Standard: IEC/EN 60947-2



Accessory selection, HDM3L

HDM3L Motor protection Thermal-magnetic tripping

Product Specification	In(A)	Poles	Residual Current	Delay Time	Order Reference
HDM3L -250S	200	3P	30/100/300mA	Not Delay Time Type	HDM3L25S20033X0A0
				Not Delay Time Type	HDM3L25S20033X0B0
				0.1/0.2/0.3s	HDM3L25S20033X0B1
		4P(A)	30/100/300mA	0.4/0.5/1s	HDM3L25S20033X0B2
				Not Delay Time Type	HDM3L25S200A3X0A0
				Not Delay Time Type	HDM3L25S200A3X0B0
	4P(B)	30/100/300mA	0.1/0.2/0.3s	HDM3L25S200A3X0B1	
			0.4/0.5/1s	HDM3L25S200A3X0B2	
			Not Delay Time Type	HDM3L25S200B3X0A0	
	225	3P	30/100/300mA	Not Delay Time Type	HDM3L25S22533X0A0
				Not Delay Time Type	HDM3L25S22533X0B0
				0.1/0.2/0.3s	HDM3L25S22533X0B1
4P(A)		30/100/300mA	0.4/0.5/1s	HDM3L25S22533X0B2	
			Not Delay Time Type	HDM3L25S225A3X0A0	
			Not Delay Time Type	HDM3L25S225A3X0B0	
4P(B)	30/100/300mA	100/300/500mA	HDM3L25S225B3X0B1		
		0.4/0.5/1s	HDM3L25S225B3X0B2		
		Not Delay Time Type	HDM3L25S225B3X0A0		
250	3P	30/100/300mA	Not Delay Time Type	HDM3L25S25033X0A0	
			Not Delay Time Type	HDM3L25S25033X0B0	
			0.1/0.2/0.3s	HDM3L25S25033X0B1	
	4P(A)	30/100/300mA	0.4/0.5/1s	HDM3L25S25033X0B2	
			Not Delay Time Type	HDM3L25S250A3X0A0	
			Not Delay Time Type	HDM3L25S250A3X0B0	
4P(B)	30/100/300mA	100/300/500mA	HDM3L25S250A3X0B1		
		0.4/0.5/1s	HDM3L25S250A3X0B2		
		Not Delay Time Type	HDM3L25S250B3X0A0		

HDM3L Earth-Leakage Circuit Breaker

Product selection
Standard: IEC/EN 60947-2



Accessory selection, HDM3L

HDM3L Motor protection Thermal-magnetic tripping

Product Specification	In(A)	Poles	Residual Current	Delay Time	Order Reference
HDM3L -400S	200	3P	100/300/500mA	Not Delay Time Type	HDM3L40S20033X0B0
				0.1/0.2/0.3s	HDM3L40S20033X0B1
				0.4/0.5/1s	HDM3L40S20033X0B2
		4P(A)	300/500/1000mA	Not Delay Time Type	HDM3L40S20033X0C0
				0.1/0.2/0.3s	HDM3L40S20033X0C1
				0.4/0.5/1s	HDM3L40S20033X0C2
	4P(B)	100/300/500mA	Not Delay Time Type	HDM3L40S200A3X0B0	
			0.1/0.2/0.3s	HDM3L40S200A3X0B1	
			0.4/0.5/1s	HDM3L40S200A3X0B2	
	225	3P	100/300/500mA	Not Delay Time Type	HDM3L40S200B3X0B0
				0.1/0.2/0.3s	HDM3L40S200B3X0B1
				0.4/0.5/1s	HDM3L40S200B3X0B2
4P(A)		300/500/1000mA	Not Delay Time Type	HDM3L40S200B3X0C0	
			0.1/0.2/0.3s	HDM3L40S200B3X0C1	
			0.4/0.5/1s	HDM3L40S200B3X0C2	
4P(B)	100/300/500mA	Not Delay Time Type	HDM3L40S200B3X0B0		
		0.1/0.2/0.3s	HDM3L40S200B3X0B1		
		0.4/0.5/1s	HDM3L40S200B3X0B2		
225	3P	100/300/500mA	Not Delay Time Type	HDM3L40S22533X0B0	
			0.1/0.2/0.3s	HDM3L40S22533X0B1	
			0.4/0.5/1s	HDM3L40S22533X0B2	
	4P(A)	300/500/1000mA	Not Delay Time Type	HDM3L40S225A3X0B0	
			0.1/0.2/0.3s	HDM3L40S225A3X0B1	
			0.4/0.5/1s	HDM3L40S225A3X0B2	
4P(B)	100/300/500mA	Not Delay Time Type	HDM3L40S225B3X0B0		
		0.1/0.2/0.3s	HDM3L40S225B3X0B1		
		0.4/0.5/1s	HDM3L40S225B3X0B2		
250	3P	100/300/500mA	Not Delay Time Type	HDM3L40S25033X0A0	
			Not Delay Time Type	HDM3L40S25033X0B0	
			0.1/0.2/0.3s	HDM3L40S25033X0B1	
	4P(A)	300/500/1000mA	0.4/0.5/1s	HDM3L40S25033X0B2	
			Not Delay Time Type	HDM3L40S250A3X0A0	
			Not Delay Time Type	HDM3L40S250A3X0B0	
4P(B)	100/300/500mA	100/300/500mA	HDM3L40S250A3X0B1		
		0.4/0.5/1s	HDM3L40S250A3X0B2		
		Not Delay Time Type	HDM3L40S250B3X0A0		

HDM3L Earth-Leakage Circuit Breaker

Product selection
Standard: IEC/EN 60947-2



Accessory selection, HDM3L

HDM3L Motor protection Thermal-magnetic tripping

Product Specification	In(A)	Poles	Residual Current	Delay Time	Order Reference
HDM3L -400S	250	3P	100/300/500mA	Not Delay Time Type	HDM3L40S25033X0B0
				0.1/0.2/0.3s	HDM3L40S25033X0B1
				0.4/0.5/1s	HDM3L40S25033X0B2
	4P(A)	300/500/1000mA	Not Delay Time Type	HDM3L40S25033X0C0	
			0.1/0.2/0.3s	HDM3L40S25033X0C1	
			0.4/0.5/1s	HDM3L40S25033X0C2	
		100/300/500mA	Not Delay Time Type	HDM3L40S250A3X0B0	
			0.1/0.2/0.3s	HDM3L40S250A3X0B1	
			0.4/0.5/1s	HDM3L40S250A3X0B2	
	4P(B)	300/500/1000mA	Not Delay Time Type	HDM3L40S250A3X0C0	
			0.1/0.2/0.3s	HDM3L40S250A3X0C1	
			0.4/0.5/1s	HDM3L40S250A3X0C2	
100/300/500mA		Not Delay Time Type	HDM3L40S250B3X0B0		
		0.1/0.2/0.3s	HDM3L40S250B3X0B1		
		0.4/0.5/1s	HDM3L40S250B3X0B2		
315	3P	100/300/500mA	Not Delay Time Type	HDM3L40S31533X0B0	
			0.1/0.2/0.3s	HDM3L40S31533X0B1	
			0.4/0.5/1s	HDM3L40S31533X0B2	
	4P(A)	300/500/1000mA	Not Delay Time Type	HDM3L40S31533X0C0	
			0.1/0.2/0.3s	HDM3L40S31533X0C1	
			0.4/0.5/1s	HDM3L40S31533X0C2	
		100/300/500mA	Not Delay Time Type	HDM3L40S315A3X0B0	
			0.1/0.2/0.3s	HDM3L40S315A3X0B1	
			0.4/0.5/1s	HDM3L40S315A3X0B2	
	4P(B)	300/500/1000mA	Not Delay Time Type	HDM3L40S315A3X0C0	
			0.1/0.2/0.3s	HDM3L40S315A3X0C1	
			0.4/0.5/1s	HDM3L40S315A3X0C2	
100/300/500mA		Not Delay Time Type	HDM3L40S315B3X0B0		
		0.1/0.2/0.3s	HDM3L40S315B3X0B1		
		0.4/0.5/1s	HDM3L40S315B3X0B2		
400	3P	100/300/500mA	Not Delay Time Type	HDM3L40S40033X0B0	
			0.1/0.2/0.3s	HDM3L40S40033X0B1	
			0.4/0.5/1s	HDM3L40S40033X0B2	
	4P(A)	300/500/1000mA	Not Delay Time Type	HDM3L40S40033X0C0	
			0.1/0.2/0.3s	HDM3L40S40033X0C1	
			0.4/0.5/1s	HDM3L40S40033X0C2	
		100/300/500mA	Not Delay Time Type	HDM3L40S400A3X0B0	
			0.1/0.2/0.3s	HDM3L40S400A3X0B1	
			0.4/0.5/1s	HDM3L40S400A3X0B2	
	4P(B)	300/500/1000mA	Not Delay Time Type	HDM3L40S400A3X0C0	
			0.1/0.2/0.3s	HDM3L40S400A3X0C1	
			0.4/0.5/1s	HDM3L40S400A3X0C2	
100/300/500mA		Not Delay Time Type	HDM3L40S400B3X0B0		
		0.1/0.2/0.3s	HDM3L40S400B3X0B1		
		0.4/0.5/1s	HDM3L40S400B3X0B2		

HDM3L Earth-Leakage Circuit Breaker

Product selection
Standard: IEC/EN 60947-2



Accessory selection, HDM3L

HDM3L Motor protection Thermal-magnetic tripping

Product Specification	In(A)	Poles	Residual Current	Delay Time	Order Reference
HDM3L-400S	350	3P	100/300/500mA	Not Delay Time Type	HDM3L40S35033X0B0
				0.1/0.2/0.3s	HDM3L40S35033X0B1
				0.4/0.5/1s	HDM3L40S35033X0B2
	4P(A)	300/500/1000mA	Not Delay Time Type	HDM3L40S35033X0C0	
			0.1/0.2/0.3s	HDM3L40S35033X0C1	
			0.4/0.5/1s	HDM3L40S35033X0C2	
		100/300/500mA	Not Delay Time Type	HDM3L40S350A3X0B0	
			0.1/0.2/0.3s	HDM3L40S350A3X0B1	
			0.4/0.5/1s	HDM3L40S350A3X0B2	
	4P(B)	300/500/1000mA	Not Delay Time Type	HDM3L40S350A3X0C0	
			0.1/0.2/0.3s	HDM3L40S350A3X0C1	
			0.4/0.5/1s	HDM3L40S350A3X0C2	
100/300/500mA		Not Delay Time Type	HDM3L40S350B3X0B0		
		0.1/0.2/0.3s	HDM3L40S350B3X0B1		
		0.4/0.5/1s	HDM3L40S350B3X0B2		
400	3P	100/300/500mA	Not Delay Time Type	HDM3L40S40033X0B0	
			0.1/0.2/0.3s	HDM3L40S40033X0B1	
			0.4/0.5/1s	HDM3L40S40033X0B2	
	4P(A)	300/500/1000mA	Not Delay Time Type	HDM3L40S40033X0C0	
			0.1/0.2/0.3s	HDM3L40S40033X0C1	
			0.4/0.5/1s	HDM3L40S40033X0C2	
		100/300/500mA	Not Delay Time Type	HDM3L40S400A3X0B0	
			0.1/0.2/0.3s	HDM3L40S400A3X0B1	
			0.4/0.5/1s	HDM3L40S400A3X0B2	
	4P(B)	300/500/1000mA	Not Delay Time Type	HDM3L40S400A3X0C0	
			0.1/0.2/0.3s	HDM3L40S400A3X0C1	
			0.4/0.5/1s	HDM3L40S400A3X0C2	
100/300/500mA		Not Delay Time Type	HDM3L40S400B3X0B0		
		0.1/0.2/0.3s	HDM3L40S400B3X0B1		
		0.4/0.5/1s	HDM3L40S400B3X0B2		

HDM3L Earth-Leakage Circuit Breaker

Product selection
Standard: IEC/EN 60947-2



Accessory selection, HDM3L

HDM3L Motor protection Thermal-magnetic tripping

Product Specification	In(A)	Poles	Residual Current	Delay Time	Order Reference	
HDM3L-400F	200	3P	100/300/500mA	Not Delay Time Type	HDM3L40F20033X0B0	
				0.1/0.2/0.3s	HDM3L40F20033X0B1	
				0.4/0.5/1s	HDM3L40F20033X0B2	
	4P(A)	300/500/1000mA	Not Delay Time Type	Not Delay Time Type	HDM3L40F20033X0C0	
					0.1/0.2/0.3s	HDM3L40F20033X0C1
					0.4/0.5/1s	HDM3L40F20033X0C2
					Not Delay Time Type	HDM3L40F200A3X0B0
					0.1/0.2/0.3s	HDM3L40F200A3X0B1
					0.4/0.5/1s	HDM3L40F200A3X0B2
	4P(B)	100/300/500mA	Not Delay Time Type	Not Delay Time Type	HDM3L40F200A3X0C0	
					0.1/0.2/0.3s	HDM3L40F200A3X0C1
					0.4/0.5/1s	HDM3L40F200A3X0C2
Not Delay Time Type					HDM3L40F200B3X0B0	
0.1/0.2/0.3s					HDM3L40F200B3X0B1	
0.4/0.5/1s					HDM3L40F200B3X0B2	
225	3P	300/500/1000mA	Not Delay Time Type	HDM3L40F200B3X0C0		
				0.1/0.2/0.3s	HDM3L40F200B3X0C1	
				0.4/0.5/1s	HDM3L40F200B3X0C2	
	4P(A)	100/300/500mA	Not Delay Time Type	Not Delay Time Type	HDM3L40F22533X0B0	
					0.1/0.2/0.3s	HDM3L40F22533X0B1
					0.4/0.5/1s	HDM3L40F22533X0B2
					Not Delay Time Type	HDM3L40F225A3X0C0
					0.1/0.2/0.3s	HDM3L40F225A3X0C1
					0.4/0.5/1s	HDM3L40F225A3X0C2
	4P(B)	100/300/500mA	Not Delay Time Type	Not Delay Time Type	HDM3L40F225B3X0B0	
					0.1/0.2/0.3s	HDM3L40F225B3X0B1
					0.4/0.5/1s	HDM3L40F225B3X0B2
Not Delay Time Type					HDM3L40F225B3X0C0	
0.1/0.2/0.3s					HDM3L40F225B3X0C1	
0.4/0.5/1s					HDM3L40F225B3X0C2	

HDM3L Earth-Leakage Circuit Breaker

Product selection
Standard: IEC/EN 60947-2



Accessory selection, HDM3L

HDM3L Motor protection Thermal-magnetic tripping

Product Specification	In(A)	Poles	Residual Current	Delay Time	Order Reference	
HDM3L-400F	250	3P	100/300/500mA	Not Delay Time Type	HDM3L40F25033X0B0	
				0.1/0.2/0.3s	HDM3L40F25033X0B1	
				0.4/0.5/1s	HDM3L40F25033X0B2	
	4P(A)	300/500/1000mA	Not Delay Time Type	Not Delay Time Type	HDM3L40F25033X0C0	
					0.1/0.2/0.3s	HDM3L40F25033X0C1
					0.4/0.5/1s	HDM3L40F25033X0C2
					Not Delay Time Type	HDM3L40F250A3X0B0
					0.1/0.2/0.3s	HDM3L40F250A3X0B1
					0.4/0.5/1s	HDM3L40F250A3X0B2
	4P(B)	100/300/500mA	Not Delay Time Type	Not Delay Time Type	HDM3L40F250A3X0C0	
					0.1/0.2/0.3s	HDM3L40F250A3X0C1
					0.4/0.5/1s	HDM3L40F250A3X0C2
Not Delay Time Type					HDM3L40F250B3X0B0	
0.1/0.2/0.3s					HDM3L40F250B3X0B1	
0.4/0.5/1s					HDM3L40F250B3X0B2	
315	3P	300/500/1000mA	Not Delay Time Type	HDM3L40F250B3X0C0		
				0.1/0.2/0.3s	HDM3L40F250B3X0C1	
				0.4/0.5/1s	HDM3L40F250B3X0C2	
	4P(A)	100/300/500mA	Not Delay Time Type	Not Delay Time Type	HDM3L40F31533X0B0	
					0.1/0.2/0.3s	HDM3L40F31533X0B1
					0.4/0.5/1s	HDM3L40F31533X0B2
					Not Delay Time Type	HDM3L40F31533X0C0
					0.1/0.2/0.3s	HDM3L40F31533X0C1
					0.4/0.5/1s	HDM3L40F31533X0C2
	4P(B)	100/300/500mA	Not Delay Time Type	Not Delay Time Type	HDM3L40F315B3X0B0	
					0.1/0.2/0.3s	HDM3L40F315B3X0B1
					0.4/0.5/1s	HDM3L40F315B3X0B2
Not Delay Time Type					HDM3L40F315A3X0C0	
0.1/0.2/0.3s					HDM3L40F315A3X0C1	
0.4/0.5/1s					HDM3L40F315A3X0C2	

HDM3L Earth-Leakage Circuit Breaker

Product selection
Standard: IEC/EN 60947-2



Accessory selection, HDM3L

HDM3L Motor protection Thermal-magnetic tripping

Product Specification	In(A)	Poles	Residual Current	Delay Time	Order Reference	
HDM3L-400F	350	3P	100/300/500mA	Not Delay Time Type	HDM3L40F35033X0B0	
				0.1/0.2/0.3s	HDM3L40F35033X0B1	
				0.4/0.5/1s	HDM3L40F35033X0B2	
	4P(A)	300/500/1000mA	Not Delay Time Type	Not Delay Time Type	HDM3L40F35033X0C0	
					0.1/0.2/0.3s	HDM3L40F35033X0C1
					0.4/0.5/1s	HDM3L40F35033X0C2
					Not Delay Time Type	HDM3L40F350A3X0B0
					0.1/0.2/0.3s	HDM3L40F350A3X0B1
					0.4/0.5/1s	HDM3L40F350A3X0B2
	4P(B)	100/300/500mA	Not Delay Time Type	Not Delay Time Type	HDM3L40F350A3X0C0	
					0.1/0.2/0.3s	HDM3L40F350A3X0C1
					0.4/0.5/1s	HDM3L40F350A3X0C2
Not Delay Time Type					HDM3L40F350B3X0B0	
0.1/0.2/0.3s					HDM3L40F350B3X0B1	
0.4/0.5/1s					HDM3L40F350B3X0B2	
400	3P	100/300/500mA	Not Delay Time Type	HDM3L40F40033X0B0		
				0.1/0.2/0.3s	HDM3L40F40033X0B1	
				0.4/0.5/1s	HDM3L40F40033X0B2	
	4P(A)	300/500/1000mA	Not Delay Time Type	Not Delay Time Type	HDM3L40F40033X0C0	
					0.1/0.2/0.3s	HDM3L40F40033X0C1
					0.4/0.5/1s	HDM3L40F40033X0C2
					Not Delay Time Type	HDM3L40F400A3X0B0
					0.1/0.2/0.3s	HDM3L40F400A3X0B1
					0.4/0.5/1s	HDM3L40F400A3X0B2
	4P(B)	100/300/500mA	Not Delay Time Type	Not Delay Time Type	HDM3L40F400B3X0B0	
					0.1/0.2/0.3s	HDM3L40F400B3X0B1
					0.4/0.5/1s	HDM3L40F400B3X0B2
Not Delay Time Type					HDM3L40F400B3X0C0	
0.1/0.2/0.3s					HDM3L40F400B3X0C1	
0.4/0.5/1s					HDM3L40F400B3X0C2	

HDM3L Earth-Leakage Circuit Breaker

Product selection
Standard: IEC/EN 60947-2



Accessory selection, HDM3L

HDM3L Motor protection Thermal-magnetic tripping

Product Specification	In(A)	Poles	Residual Current	Delay Time	Order Reference	
HDM3L-630S	400	3P	100/300/500mA	0/0.2/0.5s	HDM3L63S40033X0B3	
				0/0.2/0.5s	HDM3L63S40033X0C3	
				0/0.2/0.5s	HDM3L63S400A3X0B3	
	4P(A)	300/500/1000mA	0/0.2/0.5s	0/0.2/0.5s	HDM3L63S400A3X0C3	
					0/0.2/0.5s	HDM3L63S400B3X0B3
					0/0.2/0.5s	HDM3L63S400B3X0C3
					3P	HDM3L63S50033X0B3
					4P(A)	HDM3L63S500A3X0B3
					4P(B)	HDM3L63S500B3X0B3
	630	300/500/1000mA	0/0.2/0.5s	0/0.2/0.5s	HDM3L63S500A3X0C3	
					0/0.2/0.5s	HDM3L63S500B3X0B3
					0/0.2/0.5s	HDM3L63S500B3X0C3
3P					HDM3L63S63033X0B3	
4P(A)					HDM3L63S630A3X0B3	
4P(B)					HDM3L63S630B3X0B3	
HDM3L-630F	400	3P	100/300/500mA	0/0.2/0.5s	HDM3L63F40033X0B3	
				0/0.2/0.5s	HDM3L63F40033X0C3	
				0/0.2/0.5s	HDM3L63F400A3X0B3	
	4P(A)	300/500/1000mA	0/0.2/0.5s	0/0.2/0.5s	HDM3L63F400A3X0C3	
					0/0.2/0.5s	HDM3L63F400B3X0B3
					0/0.2/0.5s	HDM3L63F400B3X0C3
					3P	HDM3L63F50033X0B3
					4P(A)	HDM3L63F500A3X0B3
					4P(B)	HDM3L63F500B3X0B3
	630	300/500/1000mA	0/0.2/0.5s	0/0.2/0.5s	HDM3L63F500A3X0C3	
					0/0.2/0.5s	HDM3L63F500B3X0B3
					0/0.2/0.5s	HDM3L63F500B3X0C3
3P					HDM3L63F63033X0B3	
4P(A)					HDM3L63F630A3X0B3	
4P(B)					HDM3L63F630B3X0B3	
HDM3L-630F	400	3P	100/300/500mA	0/0.2/0.5s	HDM3L63F63033X0B3	
				0/0.2/0.5s	HDM3L63F63033X0C3	
				0/0.2/0.5s	HDM3L63F630A3X0B3	
	4P(A)	300/500/1000mA	0/0.2/0.5s	0/0.2/0.5s	HDM3L63F630A3X0C3	
					0/0.2/0.5s	HDM3L63F630B3X0B3
					0/0.2/0.5s	HDM3L63F630B3X0C3
					3P	HDM3L63F63033X0B3
					4P(A)	HDM3L63F630A3X0B3
					4P(B)	HDM3L63F630B3X0B3
	630	300/500/1000mA	0/0.2/0.5s	0/0.2/0.5s	HDM3L63F630A3X0C3	
					0/0.2/0.5s	HDM3L63F630B3X0B3
					0/0.2/0.5s	HDM3L63F630B3X0C3
3P					HDM3L63F63033X0B3	
4P(A)					HDM3L63F630A3X0B3	
4P(B)					HDM3L63F630B3X0B3	

