

## Customer Value



### Easy Installation

- The double-deck cover design of the HDM3 series assures easy installation and removal of accessories.
- Quick adjustment of current is possible due to HDM3E's better current setting design with specified round scale.

### High Performance

- The patent design in HDM3 ensures quick extinguishing of arc.
- The breakers continue to perform even in the extreme conditions due to HDM3's wider operating temperature feature.

### Secured Operation

- Both HDM3 and HDM3E are trustworthy and safe for use due to the double-deck cover design.
- The new insulating separator design in HDM3L ensures utmost user safety and high performance.

Hospital



Building



Residential



Hotel



## HDM3 Series Moulded Case Circuit Breaker



- HDM3-Thermal Magnetic MCCB
- HDM3E-Electronic MCCB
- HDM3L-Earth Leakage Circuit Breaker



# Technical Parameters

HDM3		HDM3-63				HDM3-100				HDM3-160				HDM3-250				HDM3-400				HDM3-630				HDM3-800				HDM3-1250																													
Rated insulation voltage $U_i$ (V)		690				800				800				800				800				800				800				800																													
Rated impulse withstand voltage $U_{imp}$ (kV)		6				8				8				8				8				8				8				8																													
Rated current $I_n$ (A)		10-63				10-100		40-100		100-160				100-250				200-400				400-630				630-800				800-1250																													
Breaking capacity	Breaking Class	L	S	M	F	L	S	M	F	T	N	L	S	M	F	T	N	L	S	M	F	T	N	L	S	M	F	T	N	L	S	M	F	T	N	L	S	M	F	T	N	L	S	M	F	T	N	L	S	M	F	T	N	L	S	M	F	T	N
	$I_{cu}$ (kA) AC 400/415V	18	25	30	50	18	25	26	35	30	50	21	35	30	50	36	60	21	35	30	50	36	60	21	35	30	50	39	70	21	35	30	50	39	70	21	35	30	50	39	70	25	50	40	70	85													
	$I_{cs}$ (kA) AC 400/415V	18	18	30	30	18	18	26	26	30	30	21	21	30	30	36	36	21	21	30	30	36	36	21	21	30	30	39	39	21	21	30	30	39	39	21	21	30	30	39	39	25	25	40	40	85													
Certification		TUV, CE				TUV, CE		KEMA, CE		KEMA, CE				KEMA, CE				KEMA, CE				KEMA, CE				KEMA, CE				KEMA, CE				/																									

HDM3E		HDM3E-125				HDM3E-250				HDM3E-400				HDM3E-630				HDM3E-800				HDM3E-1600			
Rated Insulation Voltage $U_i$ (V)		800				800				800				800				1000				1000			
Rated Impulse withstand Voltage $U_{imp}$ (V)		8000				8000				8000				8000				12000				12000			
Rated current $I_n$ (A)		125				250				400				630				800				1600			
Breaking capacity	Breaking Class	M				M				M				M				M				M			
	$I_{cu}$ (kA) AC 400/415V	50				50				50				50				50				50			
	$I_{cs}$ (kA) AC 400/415V	50				50				50				50				50				50			
	$I_{cw}$ (kA)	2.5 (1s)				2.5 (1s)				5 (1s)				8 (1s)				10 (1s)				42 (1s)			
Electronic tripping protection method		LSI				LSI				LSI				LSI				LSI				LSIG			
Certification		TUV, CE				TUV, CE				TUV, CE				TUV, CE				TUV, CE				TUV, CE			

HDM3L		HDM3L-125				HDM3L-160				HDM3L-250				HDM3L-400				HDM3L-630			
Rated insulation voltage $U_i$ (V)		800				800				800				800				800			
Rated impulse withstand voltage $U_{imp}$ (kV)		8				8				8				8				8			
Rated current $I_n$ (A)		16/20/25/32/40/50/63/80/100/125				100/125/140/160				100/125/140/160/180/200/225/250				200/225/250/315/350/400				400/500/630			
Rated residual operating current $I_{\Delta n}$ mA (three rating adjustable)	Non- delay type	KA: 30mA,100mA,300mA KB: 100mA,300mA,500mA				KA: 30mA,100mA,300mA KB: 100mA,300mA,500mA				KA: 30mA,100mA,300mA KB: 100mA,300mA,500mA				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				KB: 100mA,300mA,500mA				KB: 100mA,300mA,500mA KC: 300mA, 500mA, 1000mA				KB: 100mA,300mA,500mA KC: 300mA, 500mA, 1000mA			
Fixed delay: $2I_{\Delta n}$ 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				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 times under $2I_{\Delta n}$ state		Y1: 0.1/0.2/0.3s				Y1: 0.1/0.2/0.3s				Y1: 0.1/0.2/0.3s				Y1: 0.1/0.2/0.3s				0/0.2/0.5			
		Y2: 0.4/0.5/1s				Y2: 0.4/0.5/1s				Y2: 0.4/0.5/1s				Y2: 0.4/0.5/1s				/			
Breaking capacity	Breaking Class	S		F		S		F		S		F		S		F		S		F	
	$I_{cu}$ (kA) AC 400/415V	35		50		35		50		35		50		50		70		50		70	
	$I_{cs}$ (kA) AC 400/415V	21		30		21		30		21		30		30		42		30		40	
Rated residual short-circuit making capacity $I_{\Delta m}$ (kA)		25% $I_{cu}$				25% $I_{cu}$				25% $I_{cu}$				25% $I_{cu}$				25% $I_{cu}$			
Certificate		CE				CE				CE				CE				CE			

