




# HGD (Standard Type)

## Data sheet

Model	HGD63M, 63 AF, 6 kA <sup>1)</sup>	HGD63P, 63 AF, 10 kA <sup>1)</sup>	HGD100S, 100 AF, 10 kA
			
Reference Standard	IEC/EN 60898-1	IEC/EN 60898-1	IEC/EN 60947-2
No. of Poles	1P, 1P + N, 2P, 3P, 3P + N, 4P	1P, 1P + N, 2P, 3P, 3P + N, 4P	1P, 1P+N, 2P, 3P, 3P + N, 4P
Rated Current (In)	1, 2, 3, 4, 5, 6, 10, 16, 20, 25, 32, 40, 50, 63 A	1, 2, 3, 4, 5, 6, 10, 16, 20, 25, 32, 40, 50, 63 A	80 A, 100 A
Rated Voltage (Ue)	AC 240/415 V	AC 240/415 V	AC 240/415 V
Rated Frequency (F)	50/60 Hz	50/60 Hz	50/60 Hz
Rated Conditional Short Circuit Current (Isc)	6 kA (Ics=100 % Icn)	10 kA (Ics=75 % Icn)	10 kA (Ics=75 % Icn)
Magnetic Release Setting	(3-5)In - B Curve (5-10)In - C Curve (10-20)In - D Curve	(3-5)In - B Curve (5-10)In - C Curve (10-20)In - D Curve	(3-5)In - B Curve (5-10)In - C Curve (10-20)In - D Curve
Rated Insulation Voltage (Ui)	500 V	500 V	500 V
Rated Impulse Voltage (Uimp)	4 kV	4 kV	5 kV
Dielectric Strength	2.5 kV	2.5 kV	2.5 kV
Electrical/Mechanical Endurance (no. of operations) Minimum	10,000/20,000	10,000/20,000	10,000/20,000
Operating Temperature	-5 °C to + 55 °C	-5 °C to + 55 °C	-5 °C to + 55 °C
Humidity	95 % RH	95 % RH	95 % RH
Energy Limit Class	3	3	1
Terminal Capacity (max)	25 mm <sup>2</sup>	25 mm <sup>2</sup>	35 mm <sup>2</sup>
Tightening Torque	2 N·m	2 N·m	2 N·m
Vibration	3 g	3 g	3 g
Shock Resistance	40 mm free fall	40 mm free fall	40 mm free fall
Protection Class	IP20	IP20	IP20
Positive Contact Indication	Red-ON, Green-OFF	Red-ON, Green-OFF	Red-ON, Green-OFF
Net Weight/Pole in kg	0.100 kg	0.115 kg	0.150 kg
Dimensions (H x D x W)/Pole in mm	80.5 x 71.0 x 17.8 mm	80.5 x 71.0 x 17.8 mm	81.0 x 71.0 x 26.8 mm
Mounting	Clip on DIN Rail (35 mm x 7.5 mm)	Clip on DIN Rail (35 mm x 7.5 mm)	Clip on DIN Rail (35 mm x 7.5 mm)
Installation Position	Vertical/Horizontal	Vertical/Horizontal	Vertical/Horizontal
Case & Cover	Molded, flame-retardant thermoplastic material	Molded, flame-retardant thermoplastic material	Molded, flame-retardant thermoplastic material
Busbar Connections Top/Bottom Side	Pin/Fork type	Pin/Fork type	-
AUX/ALT/SHT/UVT	Yes	Yes	No

※ 1) HGD63M, 63P The appearance are the same.