

# Features


## | Application |

Hyundai HiSD type switch disconnecters are mainly used for isolation and switching in the terminal combined electric appliances under the alternating current 50/60Hz, rated voltage AC240V or AC415V and with rated current 16 to 125A. The double point direct moving structure enlarges the current capacity while making full use of the electrical power supplement. In addition, power reserving handle mechanism with high on/off speed promotes the working reliability. HiSD type breakers comply with IEC/EN standard, and can be applied to industry, commerce, high-rise buildings, household and other similar installations.

## | Features |

- High quality materials against fire, high temperature rise and shock
- Clear ON/OFF indicator
- Double terminal connection by cable or bus bar

## | Ratings |

Model		HiSD125	
Figure			
Standard		IEC/EN60947-3	
Number of poles (P)		1, 2, 3, 4	
Rated current [In] (A)		16, 32, 63, 100, 125	
Rated insulation voltage [Ui] (V)		AC500	
Rated operational voltage [Ue] (V)		AC240/415 <sup>1)</sup>	
Rated impulse withstand voltage [Uimp] (kV)		4	
Rated frequency (Hz)		50/60	
Durability (times)	Electrical	10,000	
	Mechanical	20,000	
	Operating frequency per hour	120	
Protection degree		IP20	
Pollution degree		3	
Ambient temperature (with daily average ≤+35°C) (°C)		-25 to +55	
Storage temperature (°C)		-40 to +70	
Terminal size of top/bottom	for cable	IEC (mm <sup>2</sup> )	50
		UL/CSA (AWG)	0
	for bus bar	IEC (mm <sup>2</sup> )	50
		UL/CSA (AWG)	0
Tightening torque (Nm)		2.5	
Mounting		35mm DIN-rail	
Weight (kg)	1P	0.07	
	2P	0.14	
	3P	0.21	
	4P	0.28	
Dimensions (mm) (W×H×D)	1P	17.5×80×74	
	2P	34.8×80×74	
	3P	52.3×80×74	
	4P	69.8×80×74	








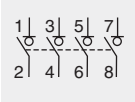
※1) AC415V is not applicable for 1P breaker.

# HiSD125 / 16-125A

<p><b>Standard Protection Specification</b></p>	<p>IEC/EN60947-3 isolation 16, 32, 63, 100, 125A 1, 2, 3, 4 pole AC240V (1P), AC240/415V</p>	<p><b>Dimensions</b></p>
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■ Order information

HiSD125

Rating		Code		Unit (EA)	Category	
  1P	16A	HiSD125 1PDSS0000C 00016		120	MCB	M8
	32A	HiSD125 1PDSS0000C 00032				
	63A	HiSD125 1PDSS0000C 00063				
	100A	HiSD125 1PDSS0000C 00100				
	125A	HiSD125 1PDSS0000C 00125				
  2P	16A	HiSD125 2PDSS0000C 00016		60	MCB	M8
	32A	HiSD125 2PDSS0000C 00032				
	63A	HiSD125 2PDSS0000C 00063				
	100A	HiSD125 2PDSS0000C 00100				
	125A	HiSD125 2PDSS0000C 00125				
  3P	16A	HiSD125 3PDSS0000C 00016		40	MCB	M8
	32A	HiSD125 3PDSS0000C 00032				
	63A	HiSD125 3PDSS0000C 00063				
	100A	HiSD125 3PDSS0000C 00100				
	125A	HiSD125 3PDSS0000C 00125				
  4P	16A	HiSD125 4PDSS0000C 00016		30	MCB	M8
	32A	HiSD125 4PDSS0000C 00032				
	63A	HiSD125 4PDSS0000C 00063				
	100A	HiSD125 4PDSS0000C 00100				
	125A	HiSD125 4PDSS0000C 00125				