Ratings

Model			HiBD125	HiBD63h	HiBD63-N
Figure					
Standard			IEC/EN60947-2	IEC/EN60898	IEC/EN60898
Number of poles (P)			1, 2, 3, 4, 1+N, 3+N	1, 2, 3, 4, 1+N, 3+N	1, 2, 3, 4, 1+N, 3+N
Rated current [In] (A)			63, 80, 100, 125	1,2,3,4,5,6,10,13,15,16,20,25,32,40,50,63	1,2,3,4,5,6,10,13,15,16,20,25,32,40,50,63
Rated insulation voltage [Ui] (V)			AC500	AC500	AC500
Rated operational voltage [Ue] (V)			AC240/415[1)]	AC240/415[1)]	AC240/415[1)]
Rated impulse withstand voltage [Uimp] (kA)			5	4	4
Rated frequency (Hz)			50/60	50/60	50/60
Rated conditional short-circuit current (kA)			10	10	6
Rated short-circuit breaking capacity [Icu] (kA r.m.s.)	IEC60898	AC220/240V	10	10	6
		AC380V	10	10	6
		AC400/460V	10	10	6
	IEC60947-2	AC220/240V	15	15	10
		AC400/460V	15	15	10
		DC24V	30	30	20
		DC60V	15	15	10
		DC110V	15	15	10
	Ics (=% Icu)		75	75	100
Tripping characteristic (curve)			B, C, D	B, C, D	B, C, D
Durability (times)	Electrical		10,000	10,000	10,000
	Mechanical		20,000	20,000	20,000
	Operating frequency per hour		120	120	120
Protection degree			IP20	IP20	IP20
Pollution degree			3	3	3
Reference temperature for setting of thermal element (℃)			30	30	30
Ambient temperature (with daily average ≤ +35℃) (℃)			-25 to +55	-25 to +55	-25 to +55
Storage temperature (℃)			-40 to +70	-40 to +70	-40 to +70
Terminal size of top/bottom	for cable	IEC (㎟)	50	16	16
		UL/CSA (AWG)	0	6	6
	for bus bar	IEC (㎟)	50	16	16
		UL/CSA (AWG)	0	6	6
Tightening torque (Nm)			2.5	2.5	2.5
Mounting			35mm DIN-rail	35mm DIN-rail	35mm DIN-rail
Accessories	Auxiliary switch		O	O	O
	Trip alarm switch		O	O	O
	Auxiliary & Trip alarm switch		O	O	O
	Shunt trip		O	O	O
	Shunt trip & Auxiliary switch		O	O	O
	Under voltage trip		O	O	O
Weight (kg)	1P		0.16	0.09	0.09
	2P		0.32	0.19	0.19
	3P		0.48	0.29	0.29
	4P		0.64	0.38	0.38
	1P+N		0.32	0.19	0.19
	3P+N		0.64	0.38	0.38
Dimensions (mm) (W×H×D)	1P		26.7×80×73.5	17.5×80×73.5	17.5×80×73.8
	2P		53.4×80×73.5	35×80×73.5	35×80×73.8
	3P		80.1×80×73.5	52.5×80×73.5	52.5×80×73.8
	4P		106.9×80×73.5	70×80×73.5	70×80×73.8
	1P+N		53.4×80×73.5	35×80×73.5	35×80×73.8
	3P+N		106.9×80×73.5	70×80×73.5	70×80×73.8

※1) AC415V is not applicable for 1P and 1P+N breaker.

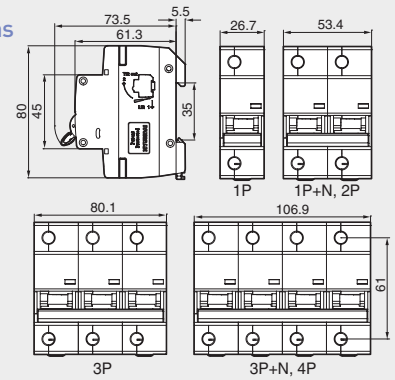
Model			HiBD63-NS	HiBD63-S	HiBD63-E
Figure					
Standard			IEC/EN60898	IEC/EN60898	IEC/EN60898
Number of poles (P)			1+N (1 pole size)	1, 2, 3, 4	1, 2, 3, 4
Rated current [In] (A)			1,2,3,4,6,10,13,16,20,25,32,40	1,2,3,4,5,6,10,13,15,16,20,25,32,40	1,2,3,4,5,6,10,13,15,16,20,25,32,40
Rated insulation voltage [Ui] (V)			AC500	AC500	AC500
Rated operational voltage [Ue] (V)			AC240	AC240/415[1)]	AC240/415[1)]
Rated impulse withstand voltage [Uimp] (kA)			3	4	4
Rated frequency (Hz)			50/60	50/60	50/60
Rated conditional short-circuit current (kA)			6 (1-25A), 4.5 (32-40A)	4.5	3
Rated short-circuit breaking capacity [Icu] (kA r.m.s.)	IEC60898	AC220/240V	6 (1-25A), 4.5 (32-40A)	4.5	3
		AC380V	6 (1-25A), 4.5 (32-40A)	4.5	3
		AC400/460V	6 (1-25A), 4.5 (32-40A)	4.5	3
	IEC60947-2	AC220/240V	10	7.5	6
		AC400/460V	10	7.5	6
		DC24V	20	15	10
		DC60V	10	7.5	6
		DC110V	10	7.5	6
	Ics (=% Icu)		100	100	100
Tripping characteristic (curve)			B, C	B, C	B, C
Durability (times)	Electrical		10,000	10,000	10,000
	Mechanical		20,000	20,000	20,000
	Operating frequency per hour		120	120	120
Protection degree			IP20	IP20	IP20
Pollution degree			3	3	3
Reference temperature for setting of thermal element (℃)			30	30	30
Ambient temperature (with daily average ≤ +35℃) (℃)			-25 to +55	-25 to +55	-25 to +55
Storage temperature (℃)			-40 to +70	-40 to +70	-40 to +70
Terminal size of top/bottom	for cable	IEC (㎟)	10	16	16
		UL/CSA (AWG)	8	6	6
	for bus bar	IEC (㎟)	10	16	16
		UL/CSA (AWG)	8	6	6
Tightening torque (Nm)			2.0	2.5	2.5
Mounting			35mm DIN-rail	35mm DIN-rail	35mm DIN-rail
Accessories	Auxiliary switch		O	O	O
	Trip alarm switch		O	O	O
	Auxiliary & Trip alarm switch		O	O	O
	Shunt trip		O	O	O
	Shunt trip & Auxiliary switch		O	O	O
	Under voltage trip		O	O	O
Weight (kg)	1P		-	0.09	0.09
	2P		-	0.19	0.19
	3P		-	0.29	0.29
	4P		-	0.38	0.38
	1P+N		0.1	-	-
Dimensions (mm) (W×H×D)	1P		-	17.5×80×73.8	17.5×80×73.8
	2P		-	35×80×73.8	35×80×73.8
	3P		-	52.5×80×73.8	52.5×80×73.8
	4P		-	70×80×73.8	70×80×73.8
	1P+N		18×80×74	-	-

※1) AC415V is not applicable for 1P and 1P+N breaker.

HiBD125 / 10kA 125AF 63-125A

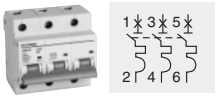
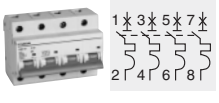
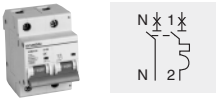
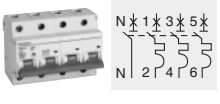
Standard	IEC/EN60947-2
Protection	overload, short-circuit
Specification	10kA at AC240/415V - AC240V (1P, 1P+N), AC240/415V - Ics = 75% Icu 63, 80, 100, 125A 1, 2, 3, 4, 1+N, 3+N pole B, C, D curve
Accessory	auxiliary switch, trip alarm switch, auxiliary & trip alarm switch, shunt trip, shunt trip & auxiliary switch, under voltage trip

Dimensions



■ Order information

HiBD125

Rating		Code			Unit (EA)	Category	
		B curve	C curve	D curve			
 10kA, 1P	63A	HIBD125 1PMBS0000C 00063	HIBD125 1PMCS0000C 00063	HIBD125 1PMDS0000C 00063	80	MCB	M7
	80A	HIBD125 1PMBS0000C 00080	HIBD125 1PMCS0000C 00080	HIBD125 1PMDS0000C 00080			
	100A	HIBD125 1PMBS0000C 00100	HIBD125 1PMCS0000C 00100	HIBD125 1PMDS0000C 00100			
	125A	HIBD125 1PMBS0000C 00125	HIBD125 1PMCS0000C 00125	HIBD125 1PMDS0000C 00125			
 10kA, 2P	63A	HIBD125 2PMBS0000C 00063	HIBD125 2PMCS0000C 00063	HIBD125 2PMDS0000C 00063	40	MCB	M7
	80A	HIBD125 2PMBS0000C 00080	HIBD125 2PMCS0000C 00080	HIBD125 2PMDS0000C 00080			
	100A	HIBD125 2PMBS0000C 00100	HIBD125 2PMCS0000C 00100	HIBD125 2PMDS0000C 00100			
	125A	HIBD125 2PMBS0000C 00125	HIBD125 2PMCS0000C 00125	HIBD125 2PMDS0000C 00125			
 10kA, 3P	63A	HIBD125 3PMBS0000C 00063	HIBD125 3PMCS0000C 00063	HIBD125 3PMDS0000C 00063	20	MCB	M7
	80A	HIBD125 3PMBS0000C 00080	HIBD125 3PMCS0000C 00080	HIBD125 3PMDS0000C 00080			
	100A	HIBD125 3PMBS0000C 00100	HIBD125 3PMCS0000C 00100	HIBD125 3PMDS0000C 00100			
	125A	HIBD125 3PMBS0000C 00125	HIBD125 3PMCS0000C 00125	HIBD125 3PMDS0000C 00125			
 10kA, 4P	63A	HIBD125 4PMBS0000C 00063	HIBD125 4PMCS0000C 00063	HIBD125 4PMDS0000C 00063	20	MCB	M7
	80A	HIBD125 4PMBS0000C 00080	HIBD125 4PMCS0000C 00080	HIBD125 4PMDS0000C 00080			
	100A	HIBD125 4PMBS0000C 00100	HIBD125 4PMCS0000C 00100	HIBD125 4PMDS0000C 00100			
	125A	HIBD125 4PMBS0000C 00125	HIBD125 4PMCS0000C 00125	HIBD125 4PMDS0000C 00125			
 10kA, 1P+N	63A	HIBD125 1NMBS0000C 00063	HIBD125 1NMCS0000C 00063	HIBD125 1NMDS0000C 00063	40	MCB	M7
	80A	HIBD125 1NMBS0000C 00080	HIBD125 1NMCS0000C 00080	HIBD125 1NMDS0000C 00080			
	100A	HIBD125 1NMBS0000C 00100	HIBD125 1NMCS0000C 00100	HIBD125 1NMDS0000C 00100			
	125A	HIBD125 1NMBS0000C 00125	HIBD125 1NMCS0000C 00125	HIBD125 1NMDS0000C 00125			
 10kA, 3P+N	63A	HIBD125 3NMBS0000C 00063	HIBD125 3NMCS0000C 00063	HIBD125 3NMDS0000C 00063	20	MCB	M7
	80A	HIBD125 3NMBS0000C 00080	HIBD125 3NMCS0000C 00080	HIBD125 3NMDS0000C 00080			
	100A	HIBD125 3NMBS0000C 00100	HIBD125 3NMCS0000C 00100	HIBD125 3NMDS0000C 00100			
	125A	HIBD125 3NMBS0000C 00125	HIBD125 3NMCS0000C 00125	HIBD125 3NMDS0000C 00125			