







# 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 <sup>1)</sup>	AC240/415 <sup>1)</sup>	AC240/415 <sup>1)</sup>
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 (°C)			30	30	30
Ambient temperature (with daily average ≤ +35°C) (°C)			-25 to +55	-25 to +55	-25 to +55
Storage temperature (°C)			-40 to +70	-40 to +70	-40 to +70
Terminal size of top/bottom	for cable	IEC (mm <sup>2</sup> )	50	16	16
		UL/CSA (AWG)	0	6	6
	for bus bar	IEC (mm <sup>2</sup> )	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		○	○	○
	Trip alarm switch		○	○	○
	Auxiliary & Trip alarm switch		○	○	○
	Shunt trip		○	○	○
	Shunt trip & Auxiliary switch		○	○	○
	Under voltage trip		○	○	○
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 <sup>1)</sup>	AC240/415 <sup>1)</sup>	
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	
		AC380V	6 (1-25A), 4.5 (32-40A)	4.5	
		AC400/460V	6 (1-25A), 4.5 (32-40A)	4.5	
	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 (°C)		30	30	30	
Ambient temperature (with daily average ≤ +35°C) (°C)		-25 to +55	-25 to +55	-25 to +55	
Storage temperature (°C)		-40 to +70	-40 to +70	-40 to +70	
Terminal size of top/bottom	for cable	IEC (mm <sup>2</sup> )	10	16	
		UL/CSA (AWG)	8	6	
	for bus bar	IEC (mm <sup>2</sup> )	10	16	
		UL/CSA (AWG)	8	6	
Tightening torque (Nm)		2.0	2.5	2.5	
Mounting		35mm DIN-rail	35mm DIN-rail	35mm DIN-rail	
Accessories	Auxiliary switch	○	○	○	
	Trip alarm switch	○	○	○	
	Auxiliary & Trip alarm switch	○	○	○	
	Shunt trip	○	○	○	
	Shunt trip & Auxiliary switch	○	○	○	
	Under voltage trip	○	○	○	
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.

# HiBD63h / 10kA 63AF 1-63A

<b>Standard Protection Specification</b>	IEC/EN60898 overload, short-circuit 10kA at AC240/415V - AC240V (1P, 1P+N), AC240/415V - Ics = 75% Icu 1, 2, 3, 4, 5, 6, 10, 13, 15, 16, 20, 25, 32, 40, 50, 63A 1, 2, 3, 4, 1+N, 3+N pole B, C, D curve	<b>Dimensions</b>	
<b>Accessory</b>	auxiliary switch, trip alarm switch, auxiliary & trip alarm switch, shunt trip, shunt trip & auxiliary switch, under voltage trip		

Order information




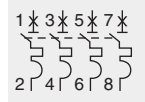
HiBD63h

Rating	Code			Unit (EA)	Category		
	B curve	C curve	D curve				
 10kA, 1P	1A	HiBD63H 1PMBS0000C 00001	HiBD63H 1PMCS0000C 00001	HiBD63H 1PMDS0000C 00001	120	MCB	M7
	2A	HiBD63H 1PMBS0000C 00002	HiBD63H 1PMCS0000C 00002	HiBD63H 1PMDS0000C 00002			
	3A	HiBD63H 1PMBS0000C 00003	HiBD63H 1PMCS0000C 00003	HiBD63H 1PMDS0000C 00003			
	4A	HiBD63H 1PMBS0000C 00004	HiBD63H 1PMCS0000C 00004	HiBD63H 1PMDS0000C 00004			
	5A	HiBD63H 1PMBS0000C 00005	HiBD63H 1PMCS0000C 00005	HiBD63H 1PMDS0000C 00005			
	6A	HiBD63H 1PMBS0000C 00006	HiBD63H 1PMCS0000C 00006	HiBD63H 1PMDS0000C 00006			
	10A	HiBD63H 1PMBS0000C 00010	HiBD63H 1PMCS0000C 00010	HiBD63H 1PMDS0000C 00010			
	13A	HiBD63H 1PMBS0000C 00013	HiBD63H 1PMCS0000C 00013	HiBD63H 1PMDS0000C 00013			
	15A	HiBD63H 1PMBS0000C 00015	HiBD63H 1PMCS0000C 00015	HiBD63H 1PMDS0000C 00015			
	16A	HiBD63H 1PMBS0000C 00016	HiBD63H 1PMCS0000C 00016	HiBD63H 1PMDS0000C 00016			
	20A	HiBD63H 1PMBS0000C 00020	HiBD63H 1PMCS0000C 00020	HiBD63H 1PMDS0000C 00020			
	25A	HiBD63H 1PMBS0000C 00025	HiBD63H 1PMCS0000C 00025	HiBD63H 1PMDS0000C 00025			
	32A	HiBD63H 1PMBS0000C 00032	HiBD63H 1PMCS0000C 00032	HiBD63H 1PMDS0000C 00032			
	40A	HiBD63H 1PMBS0000C 00040	HiBD63H 1PMCS0000C 00040	HiBD63H 1PMDS0000C 00040			
	50A	HiBD63H 1PMBS0000C 00050	HiBD63H 1PMCS0000C 00050	HiBD63H 1PMDS0000C 00050			
63A	HiBD63H 1PMBS0000C 00063	HiBD63H 1PMCS0000C 00063	HiBD63H 1PMDS0000C 00063				
 10kA, 2P	1A	HiBD63H 2PMBS0000C 00001	HiBD63H 2PMCS0000C 00001	HiBD63H 2PMDS0000C 00001	60	MCB	M7
	2A	HiBD63H 2PMBS0000C 00002	HiBD63H 2PMCS0000C 00002	HiBD63H 2PMDS0000C 00002			
	3A	HiBD63H 2PMBS0000C 00003	HiBD63H 2PMCS0000C 00003	HiBD63H 2PMDS0000C 00003			
	4A	HiBD63H 2PMBS0000C 00004	HiBD63H 2PMCS0000C 00004	HiBD63H 2PMDS0000C 00004			
	5A	HiBD63H 2PMBS0000C 00005	HiBD63H 2PMCS0000C 00005	HiBD63H 2PMDS0000C 00005			
	6A	HiBD63H 2PMBS0000C 00006	HiBD63H 2PMCS0000C 00006	HiBD63H 2PMDS0000C 00006			
	10A	HiBD63H 2PMBS0000C 00010	HiBD63H 2PMCS0000C 00010	HiBD63H 2PMDS0000C 00010			
	13A	HiBD63H 2PMBS0000C 00013	HiBD63H 2PMCS0000C 00013	HiBD63H 2PMDS0000C 00013			
	15A	HiBD63H 2PMBS0000C 00015	HiBD63H 2PMCS0000C 00015	HiBD63H 2PMDS0000C 00015			
	16A	HiBD63H 2PMBS0000C 00016	HiBD63H 2PMCS0000C 00016	HiBD63H 2PMDS0000C 00016			
	20A	HiBD63H 2PMBS0000C 00020	HiBD63H 2PMCS0000C 00020	HiBD63H 2PMDS0000C 00020			
	25A	HiBD63H 2PMBS0000C 00025	HiBD63H 2PMCS0000C 00025	HiBD63H 2PMDS0000C 00025			
	32A	HiBD63H 2PMBS0000C 00032	HiBD63H 2PMCS0000C 00032	HiBD63H 2PMDS0000C 00032			
	40A	HiBD63H 2PMBS0000C 00040	HiBD63H 2PMCS0000C 00040	HiBD63H 2PMDS0000C 00040			
	50A	HiBD63H 2PMBS0000C 00050	HiBD63H 2PMCS0000C 00050	HiBD63H 2PMDS0000C 00050			
63A	HiBD63H 2PMBS0000C 00063	HiBD63H 2PMCS0000C 00063	HiBD63H 2PMDS0000C 00063				

# HiBD63h / 10kA 63AF 1-63A




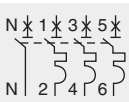
■ Order information

HiBD63h

Rating	Code			Unit (EA)	Category		
	B curve	C curve	D curve				
  10kA, 3P	1A	HIBD63H 3PMBS0000C 00001	HIBD63H 3PMCS0000C 00001	HIBD63H 3PMDS0000C 00001	40	MCB	M7
	2A	HIBD63H 3PMBS0000C 00002	HIBD63H 3PMCS0000C 00002	HIBD63H 3PMDS0000C 00002			
	3A	HIBD63H 3PMBS0000C 00003	HIBD63H 3PMCS0000C 00003	HIBD63H 3PMDS0000C 00003			
	4A	HIBD63H 3PMBS0000C 00004	HIBD63H 3PMCS0000C 00004	HIBD63H 3PMDS0000C 00004			
	5A	HIBD63H 3PMBS0000C 00005	HIBD63H 3PMCS0000C 00005	HIBD63H 3PMDS0000C 00005			
	6A	HIBD63H 3PMBS0000C 00006	HIBD63H 3PMCS0000C 00006	HIBD63H 3PMDS0000C 00006			
	10A	HIBD63H 3PMBS0000C 00010	HIBD63H 3PMCS0000C 00010	HIBD63H 3PMDS0000C 00010			
	13A	HIBD63H 3PMBS0000C 00013	HIBD63H 3PMCS0000C 00013	HIBD63H 3PMDS0000C 00013			
	15A	HIBD63H 3PMBS0000C 00015	HIBD63H 3PMCS0000C 00015	HIBD63H 3PMDS0000C 00015			
	16A	HIBD63H 3PMBS0000C 00016	HIBD63H 3PMCS0000C 00016	HIBD63H 3PMDS0000C 00016			
	20A	HIBD63H 3PMBS0000C 00020	HIBD63H 3PMCS0000C 00020	HIBD63H 3PMDS0000C 00020			
	25A	HIBD63H 3PMBS0000C 00025	HIBD63H 3PMCS0000C 00025	HIBD63H 3PMDS0000C 00025			
	32A	HIBD63H 3PMBS0000C 00032	HIBD63H 3PMCS0000C 00032	HIBD63H 3PMDS0000C 00032			
	40A	HIBD63H 3PMBS0000C 00040	HIBD63H 3PMCS0000C 00040	HIBD63H 3PMDS0000C 00040			
	50A	HIBD63H 3PMBS0000C 00050	HIBD63H 3PMCS0000C 00050	HIBD63H 3PMDS0000C 00050			
	63A	HIBD63H 3PMBS0000C 00063	HIBD63H 3PMCS0000C 00063	HIBD63H 3PMDS0000C 00063			
  10kA, 4P	1A	HIBD63H 4PMBS0000C 00001	HIBD63H 4PMCS0000C 00001	HIBD63H 4PMDS0000C 00001	30	MCB	M7
	2A	HIBD63H 4PMBS0000C 00002	HIBD63H 4PMCS0000C 00002	HIBD63H 4PMDS0000C 00002			
	3A	HIBD63H 4PMBS0000C 00003	HIBD63H 4PMCS0000C 00003	HIBD63H 4PMDS0000C 00003			
	4A	HIBD63H 4PMBS0000C 00004	HIBD63H 4PMCS0000C 00004	HIBD63H 4PMDS0000C 00004			
	5A	HIBD63H 4PMBS0000C 00005	HIBD63H 4PMCS0000C 00005	HIBD63H 4PMDS0000C 00005			
	6A	HIBD63H 4PMBS0000C 00006	HIBD63H 4PMCS0000C 00006	HIBD63H 4PMDS0000C 00006			
	10A	HIBD63H 4PMBS0000C 00010	HIBD63H 4PMCS0000C 00010	HIBD63H 4PMDS0000C 00010			
	13A	HIBD63H 4PMBS0000C 00013	HIBD63H 4PMCS0000C 00013	HIBD63H 4PMDS0000C 00013			
	15A	HIBD63H 4PMBS0000C 00015	HIBD63H 4PMCS0000C 00015	HIBD63H 4PMDS0000C 00015			
	16A	HIBD63H 4PMBS0000C 00016	HIBD63H 4PMCS0000C 00016	HIBD63H 4PMDS0000C 00016			
	20A	HIBD63H 4PMBS0000C 00020	HIBD63H 4PMCS0000C 00020	HIBD63H 4PMDS0000C 00020			
	25A	HIBD63H 4PMBS0000C 00025	HIBD63H 4PMCS0000C 00025	HIBD63H 4PMDS0000C 00025			
	32A	HIBD63H 4PMBS0000C 00032	HIBD63H 4PMCS0000C 00032	HIBD63H 4PMDS0000C 00032			
	40A	HIBD63H 4PMBS0000C 00040	HIBD63H 4PMCS0000C 00040	HIBD63H 4PMDS0000C 00040			
	50A	HIBD63H 4PMBS0000C 00050	HIBD63H 4PMCS0000C 00050	HIBD63H 4PMDS0000C 00050			
	63A	HIBD63H 4PMBS0000C 00063	HIBD63H 4PMCS0000C 00063	HIBD63H 4PMDS0000C 00063			

Order information

HIBD63h

Rating	Code			Unit (EA)	Category		
	B curve	C curve	D curve				
  10kA, 1P+N	1A	HIBD63H 1NMBS0000C 00001	HIBD63H 1NMCS0000C 00001	HIBD63H 1NMDS0000C 00001	60	MCB	M7
	2A	HIBD63H 1NMBS0000C 00002	HIBD63H 1NMCS0000C 00002	HIBD63H 1NMDS0000C 00002			
	3A	HIBD63H 1NMBS0000C 00003	HIBD63H 1NMCS0000C 00003	HIBD63H 1NMDS0000C 00003			
	4A	HIBD63H 1NMBS0000C 00004	HIBD63H 1NMCS0000C 00004	HIBD63H 1NMDS0000C 00004			
	5A	HIBD63H 1NMBS0000C 00005	HIBD63H 1NMCS0000C 00005	HIBD63H 1NMDS0000C 00005			
	6A	HIBD63H 1NMBS0000C 00006	HIBD63H 1NMCS0000C 00006	HIBD63H 1NMDS0000C 00006			
	10A	HIBD63H 1NMBS0000C 00010	HIBD63H 1NMCS0000C 00010	HIBD63H 1NMDS0000C 00010			
	13A	HIBD63H 1NMBS0000C 00013	HIBD63H 1NMCS0000C 00013	HIBD63H 1NMDS0000C 00013			
	15A	HIBD63H 1NMBS0000C 00015	HIBD63H 1NMCS0000C 00015	HIBD63H 1NMDS0000C 00015			
	16A	HIBD63H 1NMBS0000C 00016	HIBD63H 1NMCS0000C 00016	HIBD63H 1NMDS0000C 00016			
	20A	HIBD63H 1NMBS0000C 00020	HIBD63H 1NMCS0000C 00020	HIBD63H 1NMDS0000C 00020			
	25A	HIBD63H 1NMBS0000C 00025	HIBD63H 1NMCS0000C 00025	HIBD63H 1NMDS0000C 00025			
	32A	HIBD63H 1NMBS0000C 00032	HIBD63H 1NMCS0000C 00032	HIBD63H 1NMDS0000C 00032			
	40A	HIBD63H 1NMBS0000C 00040	HIBD63H 1NMCS0000C 00040	HIBD63H 1NMDS0000C 00040			
	50A	HIBD63H 1NMBS0000C 00050	HIBD63H 1NMCS0000C 00050	HIBD63H 1NMDS0000C 00050			
	63A	HIBD63H 1NMBS0000C 00063	HIBD63H 1NMCS0000C 00063	HIBD63H 1NMDS0000C 00063			
	  10kA, 3P+N	1A	HIBD63H 3NMBS0000C 00001	HIBD63H 3NMCS0000C 00001			
2A		HIBD63H 3NMBS0000C 00002	HIBD63H 3NMCS0000C 00002	HIBD63H 3NMDS0000C 00002			
3A		HIBD63H 3NMBS0000C 00003	HIBD63H 3NMCS0000C 00003	HIBD63H 3NMDS0000C 00003			
4A		HIBD63H 3NMBS0000C 00004	HIBD63H 3NMCS0000C 00004	HIBD63H 3NMDS0000C 00004			
5A		HIBD63H 3NMBS0000C 00005	HIBD63H 3NMCS0000C 00005	HIBD63H 3NMDS0000C 00005			
6A		HIBD63H 3NMBS0000C 00006	HIBD63H 3NMCS0000C 00006	HIBD63H 3NMDS0000C 00006			
10A		HIBD63H 3NMBS0000C 00010	HIBD63H 3NMCS0000C 00010	HIBD63H 3NMDS0000C 00010			
13A		HIBD63H 3NMBS0000C 00013	HIBD63H 3NMCS0000C 00013	HIBD63H 3NMDS0000C 00013			
15A		HIBD63H 3NMBS0000C 00015	HIBD63H 3NMCS0000C 00015	HIBD63H 3NMDS0000C 00015			
16A		HIBD63H 3NMBS0000C 00016	HIBD63H 3NMCS0000C 00016	HIBD63H 3NMDS0000C 00016			
20A		HIBD63H 3NMBS0000C 00020	HIBD63H 3NMCS0000C 00020	HIBD63H 3NMDS0000C 00020			
25A		HIBD63H 3NMBS0000C 00025	HIBD63H 3NMCS0000C 00025	HIBD63H 3NMDS0000C 00025			
32A		HIBD63H 3NMBS0000C 00032	HIBD63H 3NMCS0000C 00032	HIBD63H 3NMDS0000C 00032			
40A		HIBD63H 3NMBS0000C 00040	HIBD63H 3NMCS0000C 00040	HIBD63H 3NMDS0000C 00040			
50A		HIBD63H 3NMBS0000C 00050	HIBD63H 3NMCS0000C 00050	HIBD63H 3NMDS0000C 00050			
63A		HIBD63H 3NMBS0000C 00063	HIBD63H 3NMCS0000C 00063	HIBD63H 3NMDS0000C 00063			

MCB