

## Ratings

Model			HiRC100-N	HiRC63-N	HiRC63	HiRO40
Figure						
Standard			IEC/EN61008	IEC/EN61008	IEC/EN61008	IEC/EN61009
Current characteristic (type)			AC, A	AC, A	AC	AC
Number of poles (P)			2 (1+N), 4 (3+N)	2 (1+N), 4 (3+N)	2 (1+N), 4 (3+N)	1+N
Rated current [In] [A]			63, 80, 100	16, 25, 32, 40, 63	16, 25, 32, 40, 63	1, 3, 5, 6, 10, 16, 20, 25, 32, 40
Rated residual current [I <sub>Δn</sub> ] [mA]			30, 100, 300, 500	10, 30, 100, 300, 500	10, 30, 100, 300, 500	10, 30, 100, 300, 500
Rated insulation voltage [Ui] [V]			AC500	AC500	AC500	AC500
Rated operational voltage [Ue] [V]			AC240/415 <sup>1)</sup>	AC240/415 <sup>1)</sup>	AC240/415 <sup>1)</sup>	AC240
Rated impulse withstand voltage [Uimp] [kV]			5	5	5	5
Rated frequency [Hz]			50/60	50/60	50/60	50/60
Rated conditional short-circuit current [kA]			10	6	6	4.5
Rated short-circuit breaking capacity [Icu] [kA r.m.s.]	IEC60898	AC220/240V	-	-	6	4.5
		AC380V	-	-	6	4.5
		AC400/460V	-	-	6	4.5
	IEC60947-2	AC220/240V	-	-	7.5	6
		AC400/460V	-	-	7.5	6
		AC24V	-	-	10	7.5
		DC60V	-	-	7.5	6
		DC110V	-	-	7.5	6
	Ics (= % Icu)		75	75	75	75
	Tripping characteristic (curve)			-	-	-
Durability (times)	Electrical		10,000	10,000	10,000	10,000
	Mechanical		20,000	20,000	20,000	20,000
	Operating frequency per hour		120	240(16, 25A), 120(32, 40, 63A)	240(16, 25A), 120(32, 40, 63A)	120
Protection degree			IP20	IP20	IP20	IP20
Pollution degree			3	3	3	3
Reference temperature for setting of thermal element [°C]			-	-	-	30
Ambient temperature (with daily average ≤ +35°C) [°C]			-25 to +55	-25 to +55	-25 to +55	-25 to +55
Storage temperature [°C]			-40 to +70	-40 to +70	-40 to +70	-40 to +70
Terminal size of top/bottom	for cable	IEC [mm <sup>2</sup> ]	35	16	16	10
		UL/CSA [AWG]	2	5	6	8
	for bus bar	IEC [mm <sup>2</sup> ]	35	16	16	10
		UL/CSA [AWG]	2	5	6	8
Tightening torque (Nm)			3	2.5	2.5	2.5
Mounting			35mm DIN-rail	35mm DIN-rail	35mm DIN-rail	35mm DIN-rail
Weight (kg)	2P (1P+N)		0.24	0.17	0.17	0.16
	4P (3P+N)		0.42	0.34	0.34	-
	1P+N		-	-	-	0.16
Dimensions (mm) [W×H×D]	2P (1P+N)		36×100×67.8	36×82×67.3	35×80×74	35×80×73.5
	4P (3P+N)		72×100×67.8	72×82×67.3	70×80×74	-

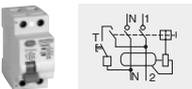
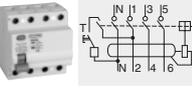
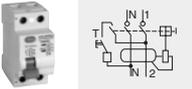
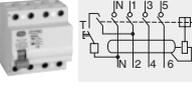
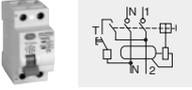
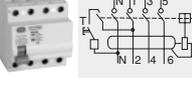
※ 1) AC415V is not applicable for 2P (1P+N) and 1P+N breaker.

# HiRC63-N / 16-63A 10-500mA

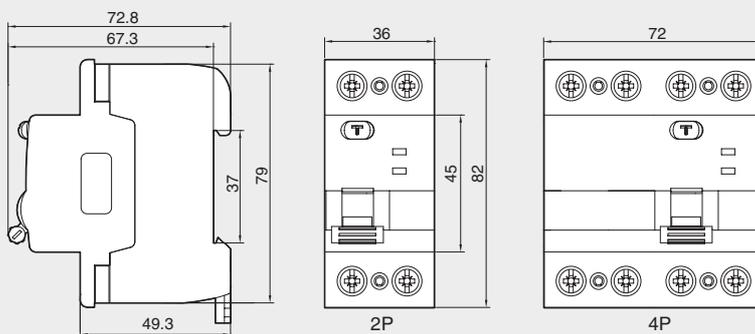
<p><b>Standard Protection Specification</b></p>	<p>IEC/EN61008                  earth leakage                  AC240V (1P), AC240/415V                  16, 25, 32, 40, 63A                  10, 30, 100, 300, 500mA                  2 (1+N), 4 (3+N) pole                  AC, A type</p>
---	---

■ Order information

HiRC63-N

AC type		A type		Unit (EA)	Category		
Rating	Code	Rating	Code				
 <p>2P (1P+N), 10mA</p>	16A	HiRC63-N 2PG2S0000C 00016G	16A	HiRC63-N 2PG2S0000C 00016F	60	RCCB	M9
	25A	HiRC63-N 2PG2S0000C 00025G	25A	HiRC63-N 2PG2S0000C 00025F			
	32A	HiRC63-N 2PG2S0000C 00032G	32A	HiRC63-N 2PG2S0000C 00032F			
	40A	HiRC63-N 2PG2S0000C 00040G	40A	HiRC63-N 2PG2S0000C 00040F			
	63A	HiRC63-N 2PG2S0000C 00063G	63A	HiRC63-N 2PG2S0000C 00063F			
 <p>4P (3P+N), 10mA</p>	16A	HiRC63-N 4PG2S0000C 00016G	16A	HiRC63-N 4PG2S0000C 00016F	30	RCCB	M9
	25A	HiRC63-N 4PG2S0000C 00025G	25A	HiRC63-N 4PG2S0000C 00025F			
	32A	HiRC63-N 4PG2S0000C 00032G	32A	HiRC63-N 4PG2S0000C 00032F			
	40A	HiRC63-N 4PG2S0000C 00040G	40A	HiRC63-N 4PG2S0000C 00040F			
	63A	HiRC63-N 4PG2S0000C 00063G	63A	HiRC63-N 4PG2S0000C 00063F			
 <p>2P (1P+N), 30mA</p>	16A	HiRC63-N 2PG4S0000C 00016G	16A	HiRC63-N 2PG4S0000C 00016F	60	RCCB	M9
	25A	HiRC63-N 2PG4S0000C 00025G	25A	HiRC63-N 2PG4S0000C 00025F			
	32A	HiRC63-N 2PG4S0000C 00032G	32A	HiRC63-N 2PG4S0000C 00032F			
	40A	HiRC63-N 2PG4S0000C 00040G	40A	HiRC63-N 2PG4S0000C 00040F			
	63A	HiRC63-N 2PG4S0000C 00063G	63A	HiRC63-N 2PG4S0000C 00063F			
 <p>4P (3P+N), 30mA</p>	16A	HiRC63-N 4PG4S0000C 00016G	16A	HiRC63-N 4PG4S0000C 00016F	30	RCCB	M9
	25A	HiRC63-N 4PG4S0000C 00025G	25A	HiRC63-N 4PG4S0000C 00025F			
	32A	HiRC63-N 4PG4S0000C 00032G	32A	HiRC63-N 4PG4S0000C 00032F			
	40A	HiRC63-N 4PG4S0000C 00040G	40A	HiRC63-N 4PG4S0000C 00040F			
	63A	HiRC63-N 4PG4S0000C 00063G	63A	HiRC63-N 4PG4S0000C 00063F			
 <p>2P (1P+N), 100mA</p>	16A	HiRC63-N 2PG5S0000C 00016G	16A	HiRC63-N 2PG5S0000C 00016F	60	RCCB	M9
	25A	HiRC63-N 2PG5S0000C 00025G	25A	HiRC63-N 2PG5S0000C 00025F			
	32A	HiRC63-N 2PG5S0000C 00032G	32A	HiRC63-N 2PG5S0000C 00032F			
	40A	HiRC63-N 2PG5S0000C 00040G	40A	HiRC63-N 2PG5S0000C 00040F			
	63A	HiRC63-N 2PG5S0000C 00063G	63A	HiRC63-N 2PG5S0000C 00063F			
 <p>4P (3P+N), 100mA</p>	16A	HiRC63-N 4PG5S0000C 00016G	16A	HiRC63-N 4PG5S0000C 00016F	30	RCCB	M9
	25A	HiRC63-N 4PG5S0000C 00025G	25A	HiRC63-N 4PG5S0000C 00025F			
	32A	HiRC63-N 4PG5S0000C 00032G	32A	HiRC63-N 4PG5S0000C 00032F			
	40A	HiRC63-N 4PG5S0000C 00040G	40A	HiRC63-N 4PG5S0000C 00040F			
	63A	HiRC63-N 4PG5S0000C 00063G	63A	HiRC63-N 4PG5S0000C 00063F			

Dimensions



Order information

HiRC63-N

AC type			A type			Unit (EA)	Category	
Rating	Code		Rating	Code				
 2P (1P+N), 300mA	16A	HIRC63-N 2PG7S0000C 00016G	 2P (1P+N), 300mA	16A	HIRC63-N 2PG7S0000C 00016F	60	RCCB	M9
	25A	HIRC63-N 2PG7S0000C 00025G		25A	HIRC63-N 2PG7S0000C 00025F			
	32A	HIRC63-N 2PG7S0000C 00032G		32A	HIRC63-N 2PG7S0000C 00032F			
	40A	HIRC63-N 2PG7S0000C 00040G		40A	HIRC63-N 2PG7S0000C 00040F			
	63A	HIRC63-N 2PG7S0000C 00063G		63A	HIRC63-N 2PG7S0000C 00063F			
 4P (3P+N), 300mA	16A	HIRC63-N 4PG7S0000C 00016G	 4P (3P+N), 300mA	16A	HIRC63-N 4PG7S0000C 00016F	30	RCCB	M9
	25A	HIRC63-N 4PG7S0000C 00025G		25A	HIRC63-N 4PG7S0000C 00025F			
	32A	HIRC63-N 4PG7S0000C 00032G		32A	HIRC63-N 4PG7S0000C 00032F			
	40A	HIRC63-N 4PG7S0000C 00040G		40A	HIRC63-N 4PG7S0000C 00040F			
	63A	HIRC63-N 4PG7S0000C 00063G		63A	HIRC63-N 4PG7S0000C 00063F			
 2P (1P+N), 500mA	16A	HIRC63-N 2PG8S0000C 00016G	 2P (1P+N), 500mA	16A	HIRC63-N 2PG8S0000C 00016F	60	RCCB	M9
	25A	HIRC63-N 2PG8S0000C 00025G		25A	HIRC63-N 2PG8S0000C 00025F			
	32A	HIRC63-N 2PG8S0000C 00032G		32A	HIRC63-N 2PG8S0000C 00032F			
	40A	HIRC63-N 2PG8S0000C 00040G		40A	HIRC63-N 2PG8S0000C 00040F			
	63A	HIRC63-N 2PG8S0000C 00063G		63A	HIRC63-N 2PG8S0000C 00063F			
 4P (3P+N), 500mA	16A	HIRC63-N 4PG8S0000C 00016G	 4P (3P+N), 500mA	16A	HIRC63-N 4PG8S0000C 00016F	30	RCCB	M9
	25A	HIRC63-N 4PG8S0000C 00025G		25A	HIRC63-N 4PG8S0000C 00025F			
	32A	HIRC63-N 4PG8S0000C 00032G		32A	HIRC63-N 4PG8S0000C 00032F			
	40A	HIRC63-N 4PG8S0000C 00040G		40A	HIRC63-N 4PG8S0000C 00040F			
	63A	HIRC63-N 4PG8S0000C 00063G		63A	HIRC63-N 4PG8S0000C 00063F			