





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 _{Δn}] [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 ¹⁾	AC240/415 ¹⁾	AC240/415 ¹⁾	AC240	
Rated impulse withstand voltage [U _{imp}] [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 [I _{cu}] [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	
	I _{cs} [= % I _{cu}]			75	75	75	75
	Tripping characteristic (curve)			-	-	-	C
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 ²]	35	16	16	10	
		UL/CSA [AWG]	2	5	6	8	
	for bus bar	IEC [mm ²]	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.

HiRC100-N / 63-100A 30-500mA

<p>Standard Protection Specification</p>	<p>IEC/EN61008 earth leakage AC240V (1P), AC240/415V 63, 80, 100A 30, 100, 300, 500mA 2 (1+N), 4 (3+N) pole AC, A type</p>	<p>Dimensions</p>
---	--	--------------------------

■ Order information

HiRC100-N

AC type				A type				Unit (EA)	Category	
Rating		Code	Rating		Code					
<p>2P (1P+N), 30mA</p>	63A	HIRC100-N 2PG4S0000C 00063G	<p>2P (1P+N), 30mA</p>	63A	HIRC100-N 2PG4S0000C 00063F	60	RCCB	M9		
	80A	HIRC100-N 2PG4S0000C 00080G		80A	HIRC100-N 2PG4S0000C 00080F					
	100A	HIRC100-N 2PG4S0000C 00100G		100A	HIRC100-N 2PG4S0000C 00100F					
<p>4P (3P+N), 30mA</p>	63A	HIRC100-N 4PG4S0000C 00063G	<p>4P (3P+N), 30mA</p>	63A	HIRC100-N 4PG4S0000C 00063F	30	RCCB	M9		
	80A	HIRC100-N 4PG4S0000C 00080G		80A	HIRC100-N 4PG4S0000C 00080F					
	100A	HIRC100-N 4PG4S0000C 00100G		100A	HIRC100-N 4PG4S0000C 00100F					
<p>2P (1P+N), 100mA</p>	63A	HIRC100-N 2PG5S0000C 00063G	<p>2P (1P+N), 100mA</p>	63A	HIRC100-N 2PG5S0000C 00063F	60	RCCB	M9		
	80A	HIRC100-N 2PG5S0000C 00080G		80A	HIRC100-N 2PG5S0000C 00080F					
	100A	HIRC100-N 2PG5S0000C 00100G		100A	HIRC100-N 2PG5S0000C 00100F					
<p>4P (3P+N), 100mA</p>	63A	HIRC100-N 4PG5S0000C 00063G	<p>4P (3P+N), 100mA</p>	63A	HIRC100-N 4PG5S0000C 00063F	30	RCCB	M9		
	80A	HIRC100-N 4PG5S0000C 00080G		80A	HIRC100-N 4PG5S0000C 00080F					
	100A	HIRC100-N 4PG5S0000C 00100G		100A	HIRC100-N 4PG5S0000C 00100F					
<p>2P (1P+N), 300mA</p>	63A	HIRC100-N 2PG7S0000C 00063G	<p>2P (1P+N), 300mA</p>	63A	HIRC100-N 2PG7S0000C 00063F	60	RCCB	M9		
	80A	HIRC100-N 2PG7S0000C 00080G		80A	HIRC100-N 2PG7S0000C 00080F					
	100A	HIRC100-N 2PG7S0000C 00100G		100A	HIRC100-N 2PG7S0000C 00100F					
<p>4P (3P+N), 300mA</p>	63A	HIRC100-N 4PG7S0000C 00063G	<p>4P (3P+N), 300mA</p>	63A	HIRC100-N 4PG7S0000C 00063F	30	RCCB	M9		
	80A	HIRC100-N 4PG7S0000C 00080G		80A	HIRC100-N 4PG7S0000C 00080F					
	100A	HIRC100-N 4PG7S0000C 00100G		100A	HIRC100-N 4PG7S0000C 00100F					
<p>2P (1P+N), 500mA</p>	63A	HIRC100-N 2PG8S0000C 00063G	<p>2P (1P+N), 500mA</p>	63A	HIRC100-N 2PG8S0000C 00063F	60	RCCB	M9		
	80A	HIRC100-N 2PG8S0000C 00080G		80A	HIRC100-N 2PG8S0000C 00080F					
	100A	HIRC100-N 2PG8S0000C 00100G		100A	HIRC100-N 2PG8S0000C 00100F					
<p>4P (3P+N), 500mA</p>	63A	HIRC100-N 4PG8S0000C 00063G	<p>4P (3P+N), 500mA</p>	63A	HIRC100-N 4PG8S0000C 00063F	30	RCCB	M9		
	80A	HIRC100-N 4PG8S0000C 00080G		80A	HIRC100-N 4PG8S0000C 00080F					
	100A	HIRC100-N 4PG8S0000C 00100G		100A	HIRC100-N 4PG8S0000C 00100F					

RCCB