

Ratings And Specifications Thermal & Magnetic Adjustable Type

Frame Size							
	160				250		
Model	KWN3sm-160				KWN3sm-250		
Number of poles	3,4						
Rated current(A) In	30,32,40,50,63 70,75,80,100, 125,140,150,160				100,125,140,150, 160,175,180,200, 225,250		
Magnetic tripping current (li)	10*In						
Thermo-adjustable setting Ir(xIn)	0.8/0.9/1.0 or 0.7/0.85/1.0						
Magnetic-adjustable setting li(xIn)	6-8-10						
Standard	IEC/EN 60947-2						
Reference temperature	40°C/55°C						
Rated operational voltage	380/400/415V AC						
Rated insulation voltage Ui (V)	1000						
Rated impluse withstand voltage Uimp (kV)	8						
Breaking capacity level	L	M	H	H ⁺	L	M	H
Rated ultimate short-circuit breaking capacity Icu(kA)	36	50	65	85	36	50	65
Rated service short-circuit breaking capacity Ics(kA)	25	36	50	66	25	36	50
Icu=Ics(kA)	25	36	50	66	25	36	50
Mechanical Endurance Electrical Endurance	for 30-100A		for 125-160A		2500 500		
	8500 1500		7000 1000				
Accessories	Auxiliary contact(OF) Alarm switch(SD) Shunt trip(MX)				Under-voltage release(MN) Motor Rotary handle operating mechanism		
Certification	  						

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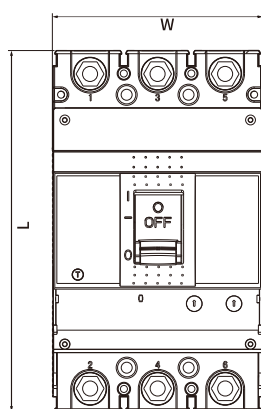
Frame Size									
	400			630			800/1000		
Model	KWN3sm-400			KWN3sm-630			KWN3sm-800 KWN3sm-1000		
Number of poles	3,4								
Rated current(A) In	250,275,280, 300,315,350,400			450,500,550,600,630			For KWN3sm-800 630,700,770,800		
							For KWN3sm-1000 630,700,770,800,1000		
Magnetic tripping current (Ii)	10*In								
Thermo-adjustable setting Ir(xIn)	0.8/0.9/1.0								
Magnetic-adjustable setting Ii(xIn)	6-8-10								
Standard	IEC/EN 60947-2								
Reference temperature	40°C/55°C								
Rated operational voltage	380/400/415V AC								
Rated insulation voltage Ui (V)	1000								
Rated impluse withstand voltage Uimp (kV)	8								
Breaking capacity level	L	M	H	L	M	H	M	H	
Rated ultimate short-circuit breaking capacity Icu(kA)	50	85	100	50	85	100	85	100	
Rated service short-circuit breaking capacity Ics(kA)	50	60	75	50	60	75	60	75	
Icu=Ics(kA)	50	60	75	50	60	75	60	75	
Mechanical Endurance Electrical Endurance	for 250-315A		for 350-400A		4000 1000			2500 500	
	7000 1000		4000 1000						
Accessories	Auxiliary contact(OF) Under-voltage release(MN) Alarm switch(SD) Motor Shunt trip(MX) Rotary handle operating mechanism								
Certification	  						Listed in September 2026		

Product Dimension Drawing

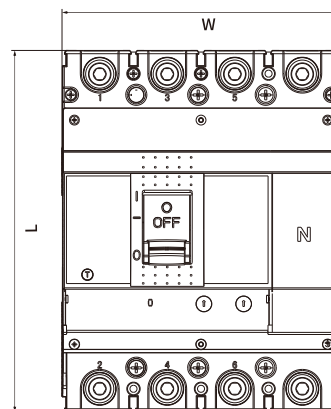
Thermal Magnetic Adjustable Type

KWN3sm

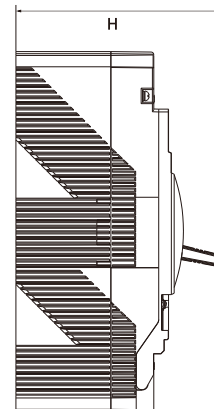
160,250,400,630,800/1000



3P



4P



KWN3sm Dimensions mm(L×W×H)

Frame Size		160	160 (H*)	250	400	630	800/1000
3P	Length	155	155	165	257	257	280
	Width	92	92	107	150	150	210
	Height	93	99	100.5	152	152	155
4P	Length	155	155	165	257	257	280
	Width	122	122	142	197	197	280
	Height	93	99	100.5	152	152	155