

FICHA DEL PRODUCTO

ITEM:

Interrupor MCCB 4P Formula A1B 125 TMF 100A 415V:18kA

CÓDIGO:

070966743AB

IMAGEN:

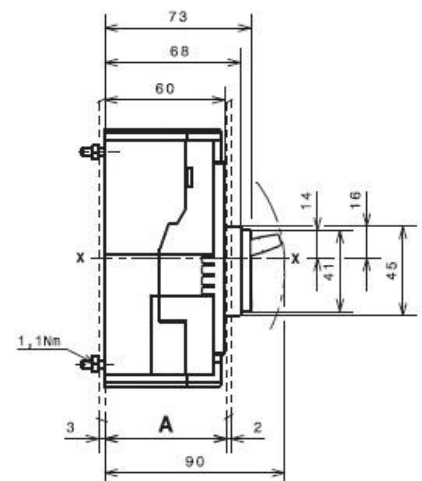
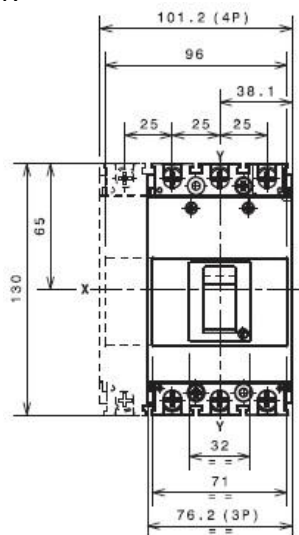


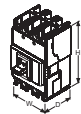
DESCRIPCIÓN
APLICACIÓN:

ABB A1B 125 TMF 100-1000 4P F F

Características Técnicas

- Corriente nominal In: 100A
- Polos: 4P
- Capacidad de corte nominal en cortocircuito: 18 kA @ 380/415 VAC | 5kA @ 250 VDC
- Unidad de disparo: TMF
- Frecuencia nominal: 50/60 Hz
- Tensión nominal: 550 VAC / 250 VDC
- Tensión de aislación: 690V
- Tensión nominal de Impulso (Uimp): 6kV
- Montaje: Fijo, con terminales frontales
- Vida eléctrica: 1500
- Vida mecánica: 8500
- Normas: IEC/EN 60947



		A1							A2							A3	
Frame size ^(G2.1)	[A]	125							250							400/630	
Rated current, I_n ^(G2.2)	[A]	15...125							125...250							320...630	
Poles	[Nr]	1, 2, 3, 4							1, 2, 3, 4							3, 4	
Rated service voltage, U_e ^(G2.3)	(AC) 50-60 Hz	550 (2p-3p-4p); 415 (1p)							550 (2p-3p-4p); 415 (1p)							550	
	(DC)	250 (2p-3p-4p); 125 (1p)							250 (2p-3p-4p); 125 (1p)							250	
Rated insulation voltage, U_i ^(G2.4)	[V]	690							690							690	
Rated impulse withstand voltage, U_{imp} ^(G2.5)	[kV]	6							6							6	
Versions		Fixed							Fixed							Fixed	
Performance Level		A	B	C		N			B	C		N			N	S	
Poles	[Nr]	3/4	3/4	1	3/4	1	2	3/4	3/4	1	3/4	1	2	3/4	3/4	3/4	
Rated ultimate short-circuit breaking capacity, I_{cu} ^(G2.6)																	
I _{cu} @ 240 V 50-60 Hz (AC)	[kA]	10	25	18	30	25	50	100	25	18	50	25	50	85	85	100	
I _{cu} @ 380 V 50-60 Hz (AC)	[kA]	10	18	2.5	25	5	36 ⁽⁵⁾	36 ⁽⁵⁾	18	2.5	25	5	36	36	36	50	
I _{cu} @ 415 V 50-60 Hz (AC)	[kA]	10	18	2.5	25	5	36 ⁽⁵⁾	36 ⁽⁵⁾	18	2.5	25	5	36	36	36	50	
I _{cu} @ 440 V 50-60 Hz (AC)	[kA]	8	15	-	20	-	25	25	15	-	20	-	25	25	36	50	
I _{cu} @ 480 V 50-60 Hz (AC)	[kA]	7.5	10	-	15	-	18	18	15	-	18	-	18	25	25	35	
I _{cu} @ 500 V 50-60 Hz (AC)	[kA]	5	5	-	8	-	10	10	5	-	8	-	10	10	20	25	
I _{cu} @ 550 V 50-60 Hz (AC)	[kA]	5	5	-	8	-	10	10	5	-	8	-	10	10	15	20	
I _{cu} @ 125 V (DC) 1 pole	[kA]	-	-	5	-	10	-	-	-	5	-	10	-	-	-	-	
I _{cu} @ 250 V (DC) 2 poles in series	[kA]	5	5	-	10	-	10	10	18	-	25	-	10	36	36	50	
Rated short-circuit service breaking capacity, I_{cs} ^(G2.7)																	
I _{cs} @ 240 V 50-60 Hz (AC)	[kA]	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	
I _{cs} @ 380 V 50-60 Hz (AC)	[kA]	50%	50%	50%	50%	50%	50%	50%	50%	100%	50%	50%	50%	50%	50%	50%	
I _{cs} @ 415 V 50-60 Hz (AC)	[kA]	50%	25% ⁽¹⁾	50%	25% ⁽²⁾	25%	25%	25%	50%	100%	50%	50%	50%	50%	50%	50%	
I _{cs} @ 440 V 50-60 Hz (AC)	[kA]	50%	25% ⁽¹⁾	-	25%	-	25%	25%	50%	-	50%	-	50%	50%	50%	50%	
I _{cs} @ 480 V 50-60 Hz (AC)	[kA]	50%	50%	-	25% ⁽¹⁾	-	25%	25% ⁽¹⁾	50%	-	50%	-	50%	50%	50%	50%	
I _{cs} @ 500 V 50-60 Hz (AC)	[kA]	50%	50%	-	25% ⁽³⁾	-	25%	25%	50%	-	50%	-	50%	50%	50%	50%	
I _{cs} @ 550 V 50-60 Hz (AC)	[kA]	50%	50%	-	25% ⁽³⁾	-	25%	25%	50%	-	50%	-	50%	50%	50%	50%	
I _{cs} @ 250 V (DC) 2 poles in series	[kA]	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%	
Rated short-circuit making capacity, I_{cm} ^(G2.8)																	
I _{cm} @ 240 V 50-60 Hz (AC)	[kA]	52.5	52.5	36	63	52.5	105	220	52.5	36	105	52.5	105	187	187	220	
I _{cm} @ 380 V 50-60 Hz (AC)	[kA]	17	36	3.8	52.5	7.5	75.6	75.6	36	3.8	52.5	7.5	75.6	75.6	75.6	105	
I _{cm} @ 415 V 50-60 Hz (AC)	[kA]	17	36	3.8	52.5	7.5	63	63	36	3.8	52.5	7.5	75.6	75.6	75.6	105	
I _{cm} @ 440 V 50-60 Hz (AC)	[kA]	13.6	30	-	40	-	52.5	52.5	30	-	40	-	52.5	52.5	75.6	105	
I _{cm} @ 480 V 50-60 Hz (AC)	[kA]	12.8	17	-	30	-	36	17	30	-	36	-	36	52.5	52.5	73.5	
I _{cm} @ 500 V 50-60 Hz (AC)	[kA]	7.5	7.5	-	13.6	-	17	17	7.5	-	13.6	-	17	17	40	52.5	
I _{cm} @ 550 V 50-60 Hz (AC)	[kA]	7.5	7.5	-	13.6	-	17	17	7.5	-	13.6	-	17	17	30	40	
Utilization category (IEC 60947-2) ^(G2.9)		A							A							A	
Hold 100% I _n at 50°C	[A]	15...100							125...250							300-400 ⁽⁴⁾	
Reference Standard		IEC 60947-2							IEC 60947-2							IEC 60947-2	
Isolation behaviour		■							■							■	
Fixing onto DIN rail		DIN EN 50022							DIN EN 50022							-	
Mechanical life ^(G2.10)	[No. operations]	8500							10000							5000	
Electrical life @ 415 V (AC) ^(G2.11)	[No. operations]	1500							4000							2000	
Total opening time	Shunt opening release (SOR) [ms]	15							15							15	
	Undervoltage release (UVR) [ms]	15							15							≤ 25	
	1 pole	25.4x60x130							35x60x150							-	
	2 poles	50.8x60x130							70x60x150							-	
	3 poles	76.2x60x130							105x60x150							139.5x 103.5x 205	
	4 poles	101.6x60x130							140x60x150							186x 103.5x 205	
Weight	1 pole	0.245							0.370							-	
	2 poles	0.470							0.730							-	
	3 poles	0.700							1.100							3.25	
	4 poles	0.925							1.450							4.15	
Trip Unit ^(G3.1)																	
Thermomagnetic TMF ^(G3.2)		■							■							■ (up to 500A)	
Electronic ELT LJ ^(G3.3)																■ (up to 630A)	

⁽¹⁾ 5kA; ⁽²⁾ 9kA; ⁽³⁾ 2.5kA; ⁽⁴⁾ Special version; ⁽⁵⁾ I_n=15A, I_{cu}=30kA

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