

No.		REQUIRED VALUE	GUARANTEED SPECS						
1	Name of manufacturer		ELECTRICOS INTERNACIONAL LTDA						
2	Brand		LUHFSER						
3	Country of origin		BOGOTA - COLOMBIA						
4	Standard applicable	IEEE Std C37,41:2008 / IEEE Std C37,42:2009	IEEE Std C37,41:2008 / IEEE Std C37,42:2009 / IEC 60,282-2						
5	Certification	5.1 Quality system certification	ISO 9001/2		CN 0110057141731593 - CN 0110457141731593 - CN 0111357141731593 TUV Rheinland.				
		5.2 Product certification	YES/NO		ICONTEC - CERTIFICATES No. CSC-CER416578 / CSC-CER416582 / CSR-CER416583				
6	Electrical characteristics	6.1 Frequency (Hz)	50 - 60		50 - 60				
		6.2 Rated operational voltage (kV)	15 - 38		15 - 38				
		6.3 Rated continuous current (A)	1 - 200		1 - 200				
		6.4 Type of characteristic curve	K		K - FAST ELEMENT.				
		6.5 Time - current characteristic		300 Sec	300 Sec	10 Sec	10 Sec	0,1 Sec	0,1 Sec
				Minimum	Maximum	Minimum	Maximum	Minimum	Maximum
		6.5.1 Type "K" 1 A; 15-38 kV; Removable or solid head		2	2,4	-	10	-	58
		6.5.2 Type "K" 2 A; 15-38 kV; Removable or solid head		4	4,8	-	10	-	58
		6.5.3 Type "K" 3 A; 15-38 kV; Removable or solid head		6	7,2	-	10	-	58
		6.5.4 Type "K" 4 A; 15-38 kV; Removable or solid head		8	9,6	10	12,5	48	58
		6.5.5 Type "K" 5 A; 15-38 kV; Removable or solid head		10	12	13	15,6	72	86
		6.5.6 Type "K" 6 A; 15-38 kV; Removable or solid head		12	14,4	13,5	20,5	72	86
		6.5.7 Type "K" 7 A; 15-38 kV; Removable or solid head		13,5	16	16	19,2	97	116
		6.5.8 Type "K" 8 A; 15-38 kV; Removable or solid head		15	18	18	27	97	116
		6.5.9 Type "K" 9 A; 15-38 kV; Removable or solid head		17,5	21	20	25,5	97	116
		6.5.10 Type "K" 10 A; 15-38 kV; Removable or solid head		19,5	23,4	22,5	34	128	154
		6.5.11 Type "K" 12 A; 15-38 kV; Removable or solid head		25	30	29,5	44	166	199
		6.5.12 Type "K" 15 A; 15-38 kV; Removable or solid head		31	37,2	37	55	215	258
		6.5.13 Type "K" 20 A; 15-38 kV; Removable or solid head		39	47	48	71	273	328
		6.5.14 Type "K" 25 A; 15-38 kV; Removable or solid head		50	60	60	90	350	420
		6.5.15 Type "K" 30 A; 15-38 kV; Removable or solid head		63	76	77,5	115	447	546
		6.5.16 Type "K" 40 A; 15-38 kV; Removable or solid head		80	96	96	146	565	680
		6.5.17 Type "K" 50 A; 15-38 kV; Removable or solid head		101	121	126	188	719	862
		6.5.18 Type "K" 60 A; 15-38 kV; Removable or solid head		116	144	144	200	840	1000
6.5.19 Type "K" 65 A; 15-38 kV; Removable or solid head		128	153	159	237	918	1100		
6.5.20 Type "K" 80 A; 15-38 kV; Removable or solid head		160	192	205	307	1180	1420		
6.5.21 Type "K" 100 A; 15-38 kV; Removable or solid head		200	240	258	388	1520	1820		
6.5.22 Type "K" 140 A; 15-38 kV; Removable or solid head		310	372	430	650	2470	2970		
6.5.23 Type "K" 200 A; 15-38 kV; Removable or solid head		480	576	760	1150	3888	4650		
7	Construction characteristics	7.1 Overall length of the fuse link (Inches)	510 mm (20") - 700 mm (28")		510mm(20") - 700mm (28")				
		7.2 Diameter of the button head contact (Inches)	12,7 mm (1/2")-19,1 mm (3/4").		12,7 mm (1/2")-19,1 mm (3/4").				
		7.3 Vulcanized fiber tube length (Inches)	120mm (4,72") - 240mm (9,44")		120 mm (4,72") - 240 mm (9,44")				
		7.4 Current responsive element	Copper		COPPER				
			Tinned Copper		UNINSULATED TINNED COPPER				
		7.5 Flexible conductor cable	Cable conformation and weight	1 - 15 A	7 * 11 Ø 0,20 mm		12 g		
				20 - 30 A	7 * 17 Ø 0,20 mm		17 g		
				40 - 50 A	7 * 35 Ø 0,20 mm		42 g		
				65 - 100 A	7 * 61 Ø 0,20 mm		75 g		
				140 - 200 A	7 (7*25) Ø 0,20 mm		164 g		
			Not interfere with the operation of cutouts	CONDUCTOR CABLE HAS ADDED A WELDING SECTION TO AVOID THE INTERFERENCE WITH THE OPERATION OF CUTOUTS AND GUARANTEES POSITIVE EXPULSION					
7.6 Button solid or removable head	Copper	COPPER - SILVER PLATED							
	Protects against galvanic corrosion	THE HEAD OR BUTTON HAS SILVER PLATING AVOIDING GC							
7.7 Protective tube	Vulcanized fiber	VULCANIZED FIBER							
	Confined gases	THE TUBE IS PLASTIC COATED MOISTURE RESISTANT. THE TUBE HAS A CLAMP RING TO PREVENT REMOVAL OF THE WASHER AND CONFINE THE GASES AT THE TIME OF THE INTERRUPTION							
7.8 Strain wire	Stainless steel	STAINLESS STEEL - RESIST THE TENSILE STRESSES UNDER MOST CONDITIONS							
8	Lab Test reports	8.1 Own laboratory	YES / NOT		YES				
		8.2 Attached oscillograph of test 0,1 second melting	YES / NOT		YES				
		8.3 Allows factory inspection	YES / NOT		YES				
		8.4 External laboratory	YES / NOT	YES - 1. POWERTECH LABS INC - CANADA					
				2. ITE- INSTITUTO DE TECNOLOGIA ELECTRICA - ESPAÑA					
	3. I.P.S.E.P. INSTITUTO DE PROTECCIONES DE SISTEMAS ELECTRICOS DE POTENCIA - RIO CUARTO ARGENTINA								
8.5 Current accreditation	YES / NOT	YES - NUMBER OF ACCREDITATION: 12-LAB-055 ONAC 2018 - STANDARDS IEEE C37,41:2008 - IEEE C37,42: 2009.							