

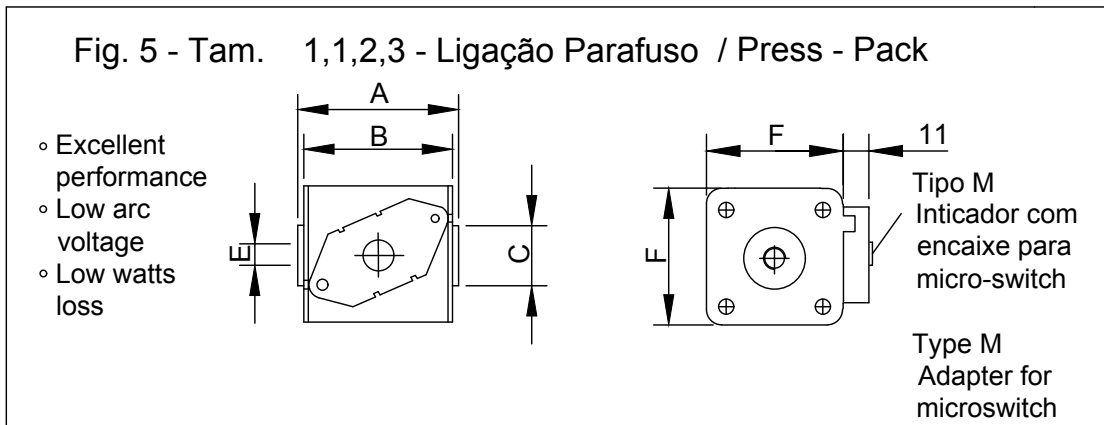
# Ultra-Rápido 690V / 800V

Ligação Parafuso conf. IEC 269.1 e 4

## Semiconductor Fuses 690V / 800V

Press - pack in accord. to IEC 269.1 and 4

End contact type, single hole Body size 1,2,and 3



### Dimensões / Dimensions

Tamh. / Size	A	B	C	E	F	TIPO / TYPE		
						Indicador Visual	Pino Indicador Tipo "P" para acionar Micro	Indicador Tipo "M" com encaixe para Micro
1	50	48	18	M8 (5/16")	45	F3978	-----	F4028
1	50	48	18	M8 (5/16")	55	F4978	-----	F5028
2	50	48	30	M10 (3/8")	60	F5978	-----	F6028
3	52	49	38	M12 (1/2")	72	F6978	-----	F7028

### Características Eletricas / Electrical Characteristics

Tam. Size	Corrente Current	I <sup>2</sup> t (A <sup>2</sup> s.)		Watt / Watts	Tam. Size	Corrente Current	I <sup>2</sup> t (A <sup>2</sup> s.)		Watt / Watts
		pre-arco Pre-arc	Total Clearing				pre-arco Pre-arc	Total Clearing	
1	40	41	279	9.8	1	200	1640	12300	46
	50	81	580	11		250	2970	27000	56
	63	120	780	14		315	6100	44800	60
	80	184	1230	19		350	8430	51000	62
	100	360	2490	21		400	13600	98000	66
	125	543	3600	25		450	17070	135200	69
	160	1086	7350	31		500	24000	175300	73
	200	2210	14200	37		550	34600	237000	76
	250	4030	27100	40		630	52800	333000	78
	315	7080	46700	49		720	69900	423000	85
	350	10100	68000	56		800	102700	733000	98
	400	14700	102000	60					
	450	19800	129000	67					
	500	26000	172000	70					
	550	33100	221000	76					
630	46800	319000	82						

Tam. Size	Corrente Current	I <sup>2</sup> t (A <sup>2</sup> s.)		Watt / Watts	Tam. Size	Corrente Current	I <sup>2</sup> t (A <sup>2</sup> s.)		Watt / Watts
		pre-arco Pre-arc	Total Clearing				pre-arco Pre-arc	Total Clearing	
2	400	11640	75100	64	3	500	13200	89000	100
	450	16000	107690	69		550	18500	132500	103
	500	22000	146600	76		630	29800	199000	106
	550	27600	185000	79		720	46000	310900	111
	630	39800	268000	92		800	65000	380000	116
	720	61000	308500	96		900	98000	419500	122
	800	83200	455000	103		1000	136000	485000	127
	900	119000	690000	112		1100	179000	880500	133
	1000	176900	590000	116		1250	265500	1396000	149
	1100	248000	1200000	122		1400	360000	1921000	158
	1250	348900	1690000	129		1500	460000	2990000	210
						1600	525000	3450000	243

Limitador de Corrente / Alta cap. de ruptura / Baixa perda  
Elemento de prata. Current limiting / High interrupting rating  
Low watts Loss / Silver element.

# Ultra-Rápido 690V / 800V

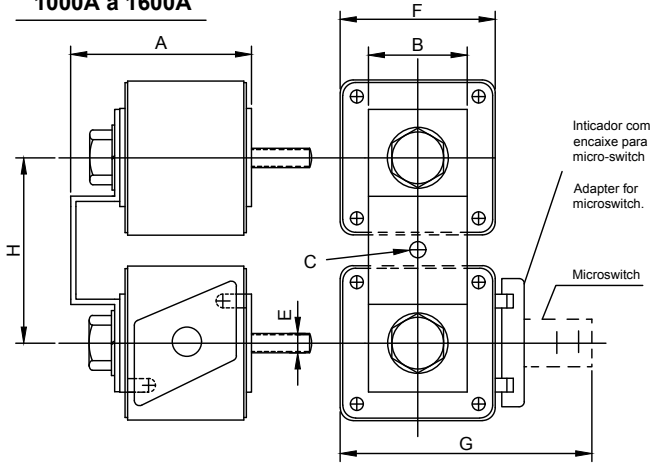
Standard Francês conf. IEC 269 -1/4

## Semiconductor Fuses 690V / 800V

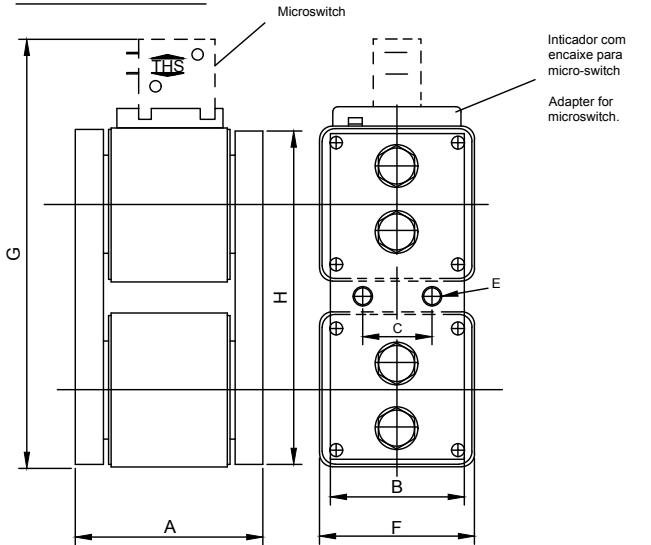
French Standard in accord. to IEC 269. 1/4

Two fuses in parallel connected with fish joint

### 1000A a 1600A



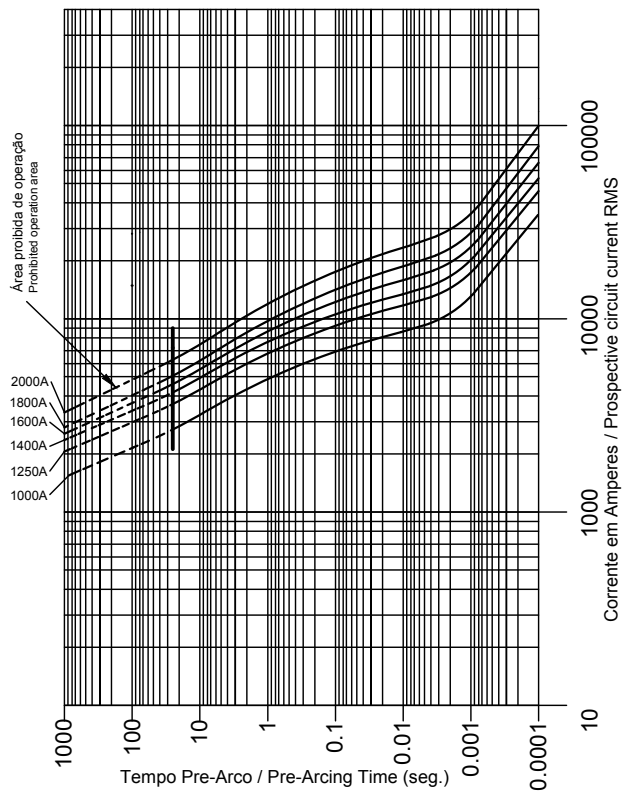
### 1600A a 2000A



### Dimensões / Dimensions

Tamh. / Size	A	B	C	E	F	G	H	Nr. Ref.
2 x 2	67.5	35	11	M10	60	100	48	2F6028
2 x 3	65.5	51	13	M12	72	115	54	2F7028
2 x 2	91	35	11	M10	60	100	48	2F6158
2 x 3	91	51	13	M12	72	115	54	2F7108

### Curva Tempo - Corrente / Time Current Curve



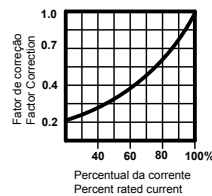
### Dimensões / Dimensions

Tamh. / Size	A	B	C	E	F	G	H	Nr. Ref.
2 x 2	91.5	60	30	M10	60	188	141	2X2000A

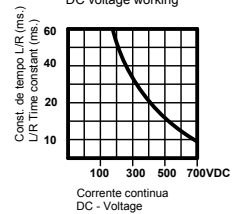
### Características Eletricas / Electrical Characteristics

2 x 2/3	Tam. Size	Corrente Current	I <sup>2</sup> t (A <sup>2</sup> s.)		Watt / Watts	2 x 2/3	Tam. Size	Corrente Current	I <sup>2</sup> t (A <sup>2</sup> s.)		Watt / Watts
			pre-arco Pre-arc	Total Clearing					pre-arco Pre-arc	Total Clearing	
	1000	110000	553000	162		1600	440000	2331000	220		
	1250	203300	1063000	183		1800	643000	3430000	228		
	1400	311980	1623880	213		2000	973000	5320000	234		

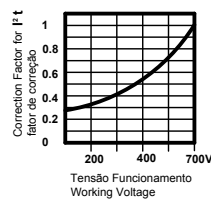
Curva de correção de perda  
Watt loss correction curve



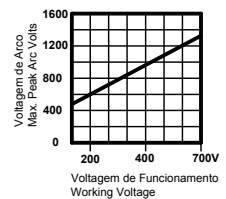
Fusível AC em DC  
DC voltage working



Curva de correção I<sup>2</sup>t  
I<sup>2</sup>t Correction



Voltagem de arco max.  
Max. arc voltage



# Ultra-Rápido 1000V / 1300V

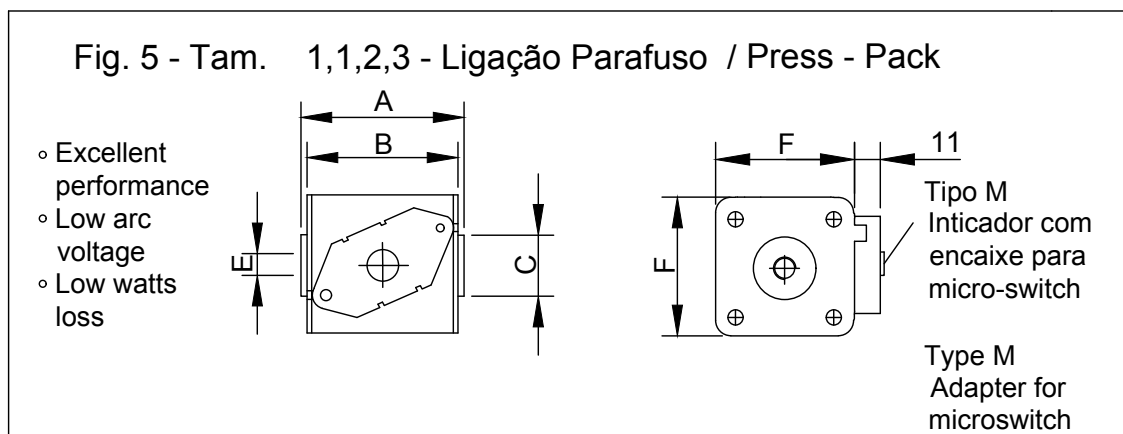


Ligação Parafuso conf. IEC 269. 1 e 4

## Semiconductor Fuses 1000V / 1300V

Press - Pack in according to IEC 269. 1 and 4

End contact type, single hole Body size 1,2,and 3



### Dimensões / Dimensions

Tamh. Size	A	B	C	E	F	TIPO / TYPE
						Indicador Tipo M com encaixe para Micro
1	75	72	25	M8 or 5/16"	45	F3958
1	80	73	25		55	F4008
2	75	73	31	M10 or 5/16"	60	F6158
3	76	73	38	M12 or 1/2"	72	F6908
3	83	73	38	M12	72	F7108

Tamh. Size	A	B	C	E	F	TIPO / TYPE
						Indicador Tipo M com encaixe para Micro
3	91	73	38	M12 or 1/2"	72	F7158
1	75	72	25	M8 or 5/16"	55	F4958
1	80	72	25	M8	55	F5008
2	81	72	31	M10	60	F5758
2	91	72	31	M10 or 3/8"	72	F6008

### Características Elétricas / Electrical Characteristics

Tam. Size	Corrente Current	I <sup>2</sup> t (A <sup>2</sup> s.)		Watt / Watts
		pre-arco Pre-arc	Total Clearing	
1	40	44	275	10
	50	130	1050	15
	63	220	1703	19
	80	410	3194	25
	100	699	5933	30
	125	1139	8300	37
	160	2033	14000	44
	200	4590	25000	49
	250	7580	45050	59
	315	14100	80800	62
350	21430	121000	67	
1	200	4590	25000	57
	250	7580	45050	66
	315	14100	80800	70
	350	21430	121000	75
	400	34600	20300	78
	450	44000	250000	80
	500	65430	339000	88
	550	82000	428000	94
	630	125500	670000	98

Tam. Size	Corrente Current	I <sup>2</sup> t (A <sup>2</sup> s.)		Watt / Watts
		pre-arco Pre-arc	Total Clearing	
2	250	7900	45000	70
	315	13000	77600	73
	350	20300	110000	76
	400	29800	168000	80
	450	42068	239300	88
	500	48000	300000	97
	550	70030	350000	107
	630	112000	538000	112
	720	140800	710000	118
	800	224000	1178000	130
3	500	42000	230000	112
	550	55600	319000	120
	630	82100	456000	126
	720	114000	645000	132
	800	195000	1080000	138
	900	235500	1300000	150
	1000	350000	1910000	155
	1100	443000	2400000	170
	1250	544000	3223000	195
	1400	780000	3988000	210
1500	999000	4500000	216	
1600	1400000	5600000	233	

- Limitador de Corrente
- Alta cap. de ruptura
- Baixa perda
- Elemento de prata
- Current limiting
- High interrupting rating
- Low watts loss
- Silver element

# Ultra-Rápido 1000V / 1250V

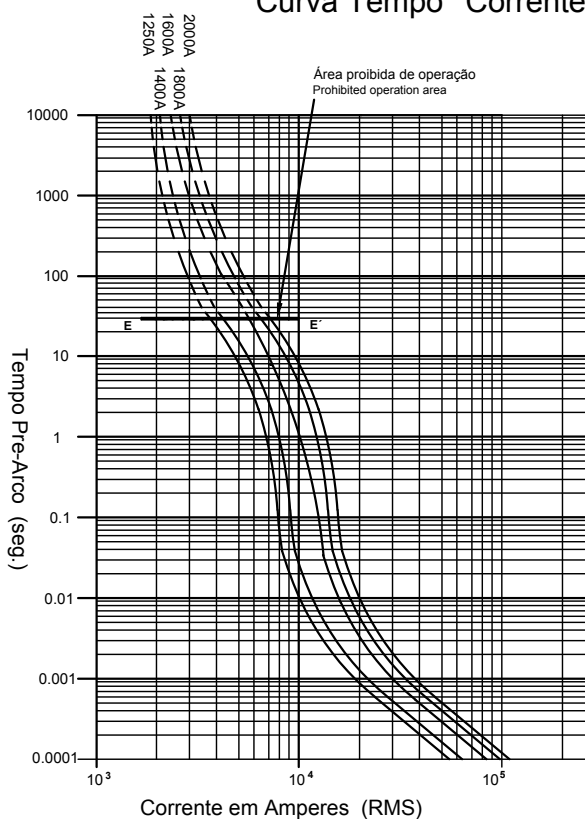


Standard Francês conf. IEC 269 -1/4

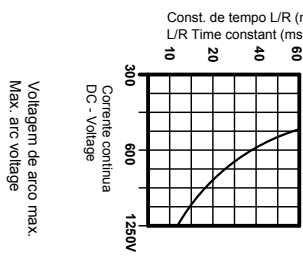
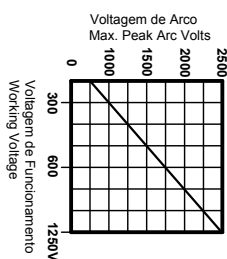
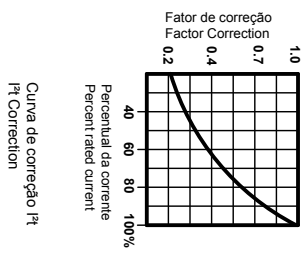
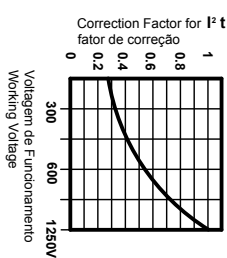
# Semiconductor Fuses 1000V / 1250V

French Standard in accord. to IEC 269. 1/4

## Curva Tempo Corrente



## Curvas Técnicas para Fusível



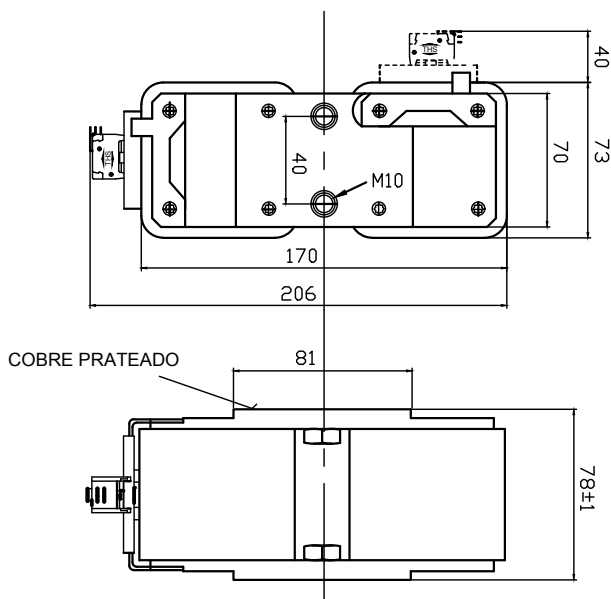
Curva de correção de perda  
Watt loss correction curve

Curva de correção L/R  
L/R Correction

## Características Elétricas / Electrical Characteristics

1512373	Nr. Ref.
2 x 3	Tam. Size
1250	Corrente Current
1400	pre-arco Pre-arc
360300	$I^2 t (A^2 s.)$
422980	Total Clearing
2123880	Watt / Watts
241	

1512374	Nr. Ref.
2 x 3	Tam. Size
1600	Corrente Current
1800	pre-arco Pre-arc
2000	$I^2 t (A^2 s.)$
537480	Total Clearing
828000	Watt / Watts
1120000	
3224884	
4788000	
6450000	
250	
255	
275	



Limitador de Corrente / Alta cap. de ruptura / Baixa perda  
Elemento de prata. Current limiting / High interrupting rating  
Low watts Loss / Silver element.