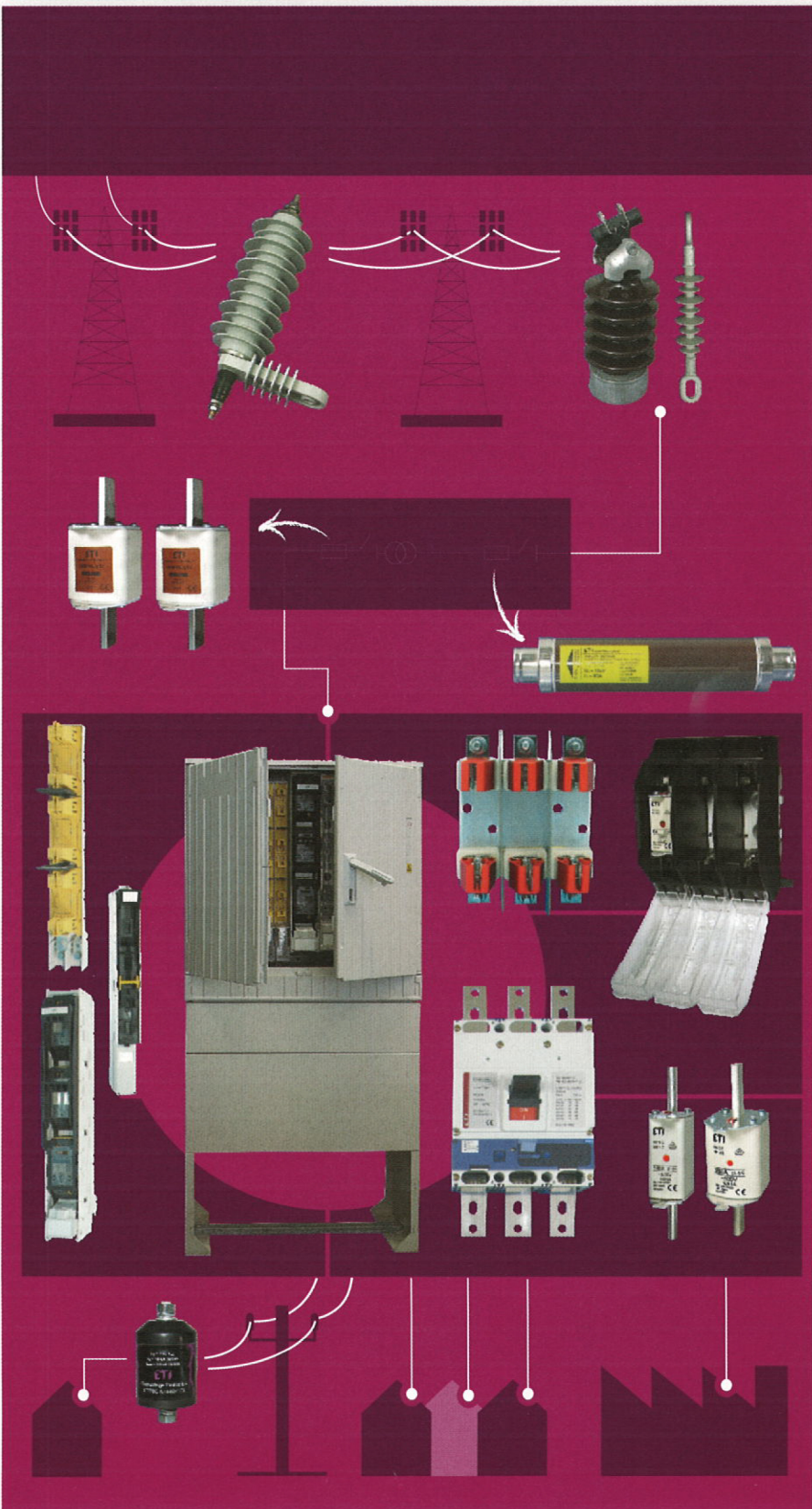
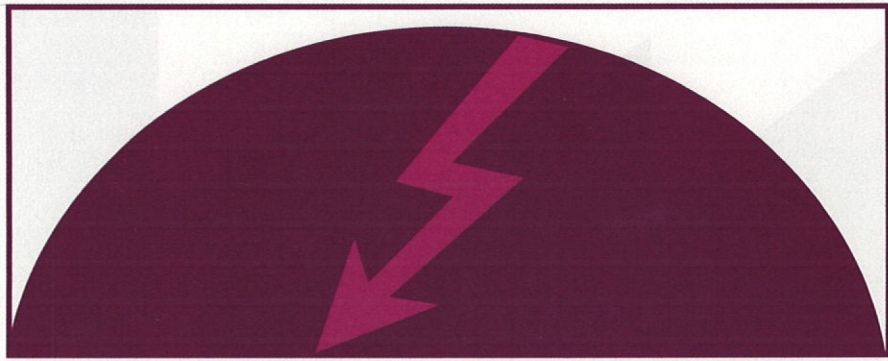


## ELECTRIC POWER DISTRIBUTION

ETI provides high-quality solutions for the protection of low and high-voltage electrical installations in the field of electric power distribution. We supply a wide range of high-voltage fuse-links of the type VV, low voltage power circuit breakers ETIBREAK, distribution cabinets KVS, medium voltage surge arresters ETISURGE and ceramic as well as polymeric insulators. The products are internationally certified and carry several quality marks.



**ETIBREAK EB2 630/800**

Type	I <sub>n</sub> [A]	Code No.	Poles	I <sub>cu</sub> /I <sub>cs</sub> 400/415V [kA]	Adjustment thermal/magnetic	Weight [kg]	Packaging [pcs]
EB2 800/3LF 630A 3p	630	004671117	3	36/36	fixed/adjustable (5-10)	8	1
EB2 800/3LF 800A 3p	800	004672204				8,5	
EB2 800/4LF 630A 4p	630	004671118	4			11	
EB2 800/4LF 800A 4p	800	004672205				11,5	
EB2 800/3L 630A 3p	630	004672150	3	36/36	0,63-1 / 5-10	8,5	1
EB2 800/3L 800A 3p	800	004672151				11,5	
EB2 800/4L 630A 4p	630	004672152	4			11,5	
EB2 800/4L 800A 4p	800	004672153				11,5	
EB2 800/3S 630A 3p	630	004672160	3	50/50	0,63-1 / 5-10	8,5	1
EB2 800/3S 800A 3p	800	004672161				11,5	
EB2 800/4S 630A 4p	630	004672162	4			11,5	
EB2 800/4S 800A 4p	800	004672163				11,5	
EB2 800/3H 630A 3p	630	004672170	3	70/50	0,63-1 / 5-10	8,5	1
EB2 800/3H 800A 3p	800	004672171				11,5	
EB2 800/4H 630A 4p	630	004672172	4			11,5	
EB2 800/4H 800A 4p	800	004672173				11,5	


**Microprocessor's MCCBs**

Microprocessor's MCCBs are available in frame sizes from 250 A up to 1600 A, with rated current from 40 A up to 1600 A. All frame sizes have adjustable thermal and magnetic protection.

Series 2: Protection against overload can be adjusted between  $0,4 - 1 \times I_n$ , meanwhile short-circuit protection has already preset different curves, which can be easily selected according to the type of load.

**Optional Functions:**

A - Standard relay with LSI Characteristic (where no letters are present then MCCB is A type)

P - Preferential Trip Alarm

G - Ground Fault

N - Neutral Protection

S - Phase rotation function

C - Communication function

W - Electrical energy pulse

H - Harmonic current

**ETIBREAK EB2 250**

Type	I <sub>n</sub> [A]	Code No.	Poles	I <sub>cu</sub> /I <sub>cs</sub> 400/415V [kA]	Adjustment thermal/magnetic	Weight [kg]	Packaging [pcs]
EB2 250/3LE 40A 3p	40	004671351	3	36/36	0,4-1/adjust.	2,5	1
EB2 250/3LE 125A 3p	125	004671352					
EB2 250/3LE 160A 3p	160	004671353					
EB2 250/3LE 250A 3p	250	004671354					
EB2 250/4LE 40A 4p	40	004671355	4			3,3	
EB2 250/4LE 125A 4p	125	004671356					
EB2 250/4LE 160A 4p	160	004671357					
EB2 250/4LE 250A 4p	250	004671358					
EB2 250/3E 40A 3p	40	004671301	3	70/70	0,4-1/adjust.	2,5	1
EB2 250/3E 125A 3p	125	004671302					
EB2 250/3E 160A 3p	160	004671303					
EB2 250/3E 250A 3p	250	004671304					
EB2 250/4E 40A 4p	40	004671305	4			3,3	
EB2 250/4E 125A 4p	125	004671306					
EB2 250/4E 160A 4p	160	004671307					
EB2 250/4E 250A 4p	250	004671308					



Product series	description	unit	condition	EB2 250			EB2 250	
Model-type				L	S	H	LE	E
Number of poles				3, 4			3, 4	
Nominal current ratings								
	$I_n$	(A)	50°C	200, 250			40, 125, 160, 250	
Electrical characteristics								
Rated operational voltage	$U_e$	(V)	AC 50/60 Hz	690	690	690	690	690
			DC	250	250	250	-	-
Rated insulation voltage	$U_i$	(V)		800	800	800	800	800
Rated impulse withstand voltage	$U_{imp}$	(kV)		8	8	8	8	8
Ultimate breaking capacity (IEC, JIS, AS/NZS)	$I_{cu}$	(kA)	690V AC	-	7.5	7.5	7,5	20
			525V AC	10	25	25	25	35
			440V AC	15	25	50	25	50
			400/415V AC	25	36	65	36	70
			220/240V AC	35	65	85	65	125
			250V DC	25	40	40	-	-
Service breaking capacity (IEC, JIS, AS/NZS)	$I_{cs}$	(kA)	690V AC	-	7.5	7.5	7,5	15
			525V AC	7.5	25	25	25	35
			440V AC	12	25	25	25	50
			400/415V AC	19	36	36	36	70
			220/240V AC	27	65	85	65	125
			250V DC	19	40	40	-	-
Rated breaking capacity (NEMA)		(kA)	480V AC	10	22	25	25	35
			240VAC	35	65	85	65	125
Rated short-time withstand current	$I_{cw}$	(kA)	0.3 s	-	-	-	-	
Protection								
Adjustable thermal, adjustable magnetic				■	■	-	-	
Fixed thermal, fixed magnetic						-	-	
Microprocessor						■	■	
Utilisation category				A	A	A	A	
Installation								
Front connection				■	■	■	■	
Attached flat bar				•	•	•	•	
Solderless terminal (cable clamp)				•	•	•	•	
Rear connection				•	•	•	•	
Plug-in				•	•	•	•	
Draw-out				-	-	-	-	
DIN rail mounting				-	-	-	-	
Dimensions	h	(mm)		165	165	165	165	
			w	(mm)	3 pole	105	105	105
		(mm)	4 pole	140	140	140	140	
	d	(mm)		68	68	103	103	
Weight	W	(kg)	3 pole	1.5	1.5	2.3	2.5	
			4 pole	1.9	1.9	3.1	3.3	
Operation								
Direct Opening Action				■	■	■	■	
Toggle operation				■	■	■	■	
Variable depth / direct mount operating handle				•	•	•	•	
Motor operator				•	•	•	•	
Endurance	Electrical	cycles	415V AC	10000	10000	10000	10000	
				30000	30000	30000	30000	
Standards				IEC 60947-2, EN 60947-2				

■ Standard • Optional - Not Available



Product series	description	unit	condition	EB2 800			EB2 800			EB2 1000		EB2 1250		EB2 1600	
Model-type				L	S	H	LE	E	HE	LE	E	LE	E	LE	E
Number of poles				3,4	3,4	3,4	3,4	3,4	3,4	3,4	3,4	3,4	3,4	3,4	3,4
Nominal current ratings															
	I <sub>n</sub>	(A)	50°C	630, 800	630, 800	630, 800	800	800	800	1000	1000	1250	1250	1600	1600
Electrical characteristics															
Rated operational voltage	U <sub>e</sub>	(V)	AC 50/60 Hz	690	690	690	690	690	690	690	690	690	690	690	690
			DC	250	250	250	-	-	-	-	-	-	-	-	-
Rated insulation voltage	U <sub>i</sub>	(V)		800	800	800	800	800	800	800	800	800	800	800	800
Rated impulse withstand voltage	U <sub>imp</sub>	(kV)		8	8	8	8	8	8	8	8	8	8	8	8
Ultimate breaking capacity (IEC, JIS, AS/NZS)	I <sub>cu</sub>	(kA)	690V AC	10*	20*	25*	20*	25*	25*	20*	25*	20*	25*	20*	45*
			525V AC	15*	30	45	30	35	40	30	45	30	45	30	65
			440V AC	30	50	65	50	65	125	45	65	45	65	45	85
			400/415V AC	36	50	70	50	70	125	50	70	50	70	50	100/85
			220/240V AC	50	85	100	85	100	150	85	100	85	100	85	125
			250V DC	50	50	50	-	-	-	-	-	-	-	-	-
Service breaking capacity (IEC, JIS, AS/NZS)	I <sub>cs</sub>	(kA)	690V AC	10*	20*	20*	20*	20*	20*	15*	20*	15*	20*	15*	34*
			525V AC	15*	30	34	30	30	34	23	34	23	34	23	50
			440V AC	30	50	50	50	50	94	34	50	34	50	34	65
			400/415V AC	36	50	50	50	50	94	38	50	38	50	38	75/65
			220/240V AC	50	85	75	85	75	150	65	75	65	75	65	94
			250V DC	50	50	50	-	-	-	-	-	-	-	-	-
Rated breaking capacity (NEMA)		(kA)	480V AC	15	30	45	30	35	40	30	45	30	45	30	65
			240V AC	50	85	100	85	100	150	85	100	85	100	85	125
Rated short-time withstand current	I <sub>cw</sub>	(kA)	0,3 sec	-	-	-	10	10	10	-	-	15	15	20	20
Protection															
Adjustable thermal, adjustable magnetic				■	■	■	-	-	-	-	-	-	-	-	-
Fixed thermal, fixed magnetic				-	-	-	-	-	-	-	-	-	-	-	-
Microprocessor				-	-	-	■	■	■	■	■	■	■	■	■
Utilisation category				A	A	A	B	B	B	A	A	B	B	B	B
Installation															
Front connection				■	■	■	■	■	-	-	-	-	-	-	-
Attached flat bar				•	•	•	•	•	■	■	■	■	■	■	■
Solderless terminal (cable clamp)				•	•	•	-	-	-	-	•	-	-	-	-
Rear connection				•	•	•	-	-	•	•	-	-	-	•	•
Plug-in				•	•	•	-	-	•	-	-	-	-	-	-
Draw-out				-	-	-	-	-	-	-	-	-	-	-	-
DIN rail mounting				-	-	-	-	-	-	-	-	-	-	-	-
Dimensions	h	(mm)		273	273	273	273	273	273	273	273	370	370	370	370
	w	(mm)	3 pole	210	210	210	210	210	210	210	210	210	210	210	210
		(mm)	4 pole	280	280	280	280	280	280	280	280	280	280	280	280
	d	(mm)		103	103	103	103	103	140	103	103	120	120	140	140
Weight	W	(kg)	3 pole	8,5	8,5	8,5	9,1	9,1	12,3	11	11	19,8	19,8	27	27
			4 pole	11,5	11,5	11,5	12,3	12,3	14,8	14,8	14,8	25	25	35	35
Operation															
Direct Opening Action				■	■	■	■	■	■	■	■	■	■	■	■
Toggle operation				■	■	■	■	■	■	■	■	■	■	■	■
Variable depth / direct mount operating handle				•	•	•	•	•	•	•	•	•	•	•	•
Motor operator				•	•	•	•	•	•	•	•	•	•	•	•
Endurance	Electrical	cycles	690	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	2000	2000
	Mechanical	cycles		10000	10000	10000	10000	10000	10000	10000	10000	5000	5000	5000	5000
Standards	IEC 60947-2, EN 60947-2														

■ Standard • Optional - Not Available  
 \* MCCB can not be used in IT system at this voltage