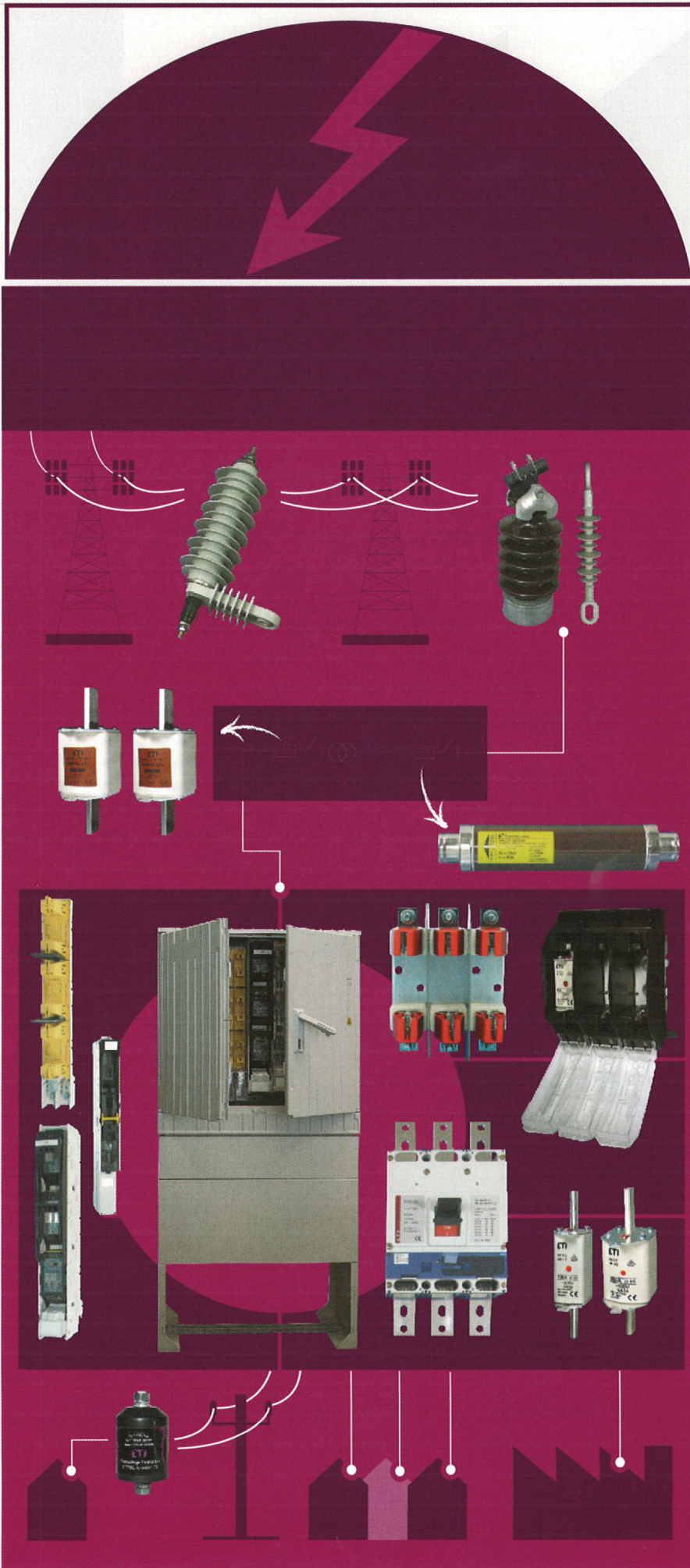


## ELECTRIC POWER DISTRIBUTION

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 160/250**

Type	$I_n$ [A]	Code No.	Poles	$I_{cu}/I_{cs}$ 400/415V [kA]	Adjustment thermal/magnetic	Weight [kg]	Packaging [pcs]
EB2 250/3L 200A 3p	200	004671072	3	25/19	0,63-1/6-13	1,5	1
EB2 250/3L 250A 3p	250	004671073			0,63-1/6-10		
EB2 250/4L 200A 4p	200	004671075	4	0,63-1/6-13	1,9		
EB2 250/4L 250A 4p	250	004671076		0,63-1/6-10			
EB2 160/3S 160A 3p	160	004671061	3	36/36	0,63-1/6-13	1,5	1
EB2 250/3S 200A 3p	200	004671082			0,63-1/6-13		
EB2 250/3S 250A 3p	250	004671083	4	0,63-1/6-10	1,9		
EB2 160/4S 160A 4p	160	004671062		0,63-1/6-13			
EB2 250/4S 200A 4p	200	004671085	4	0,63-1/6-13	1,9		
EB2 250/4S 250A 4p	250	004671086		0,63-1/6-10			
EB2 160/3H 160A 3p	160	004672120	3	65/36	0,63-1/6-13	1,5	1
EB2 250/3H 160A 3p	160	004672130			0,63-1/6-13		
EB2 250/3H 200A 3p	200	004672131	4	0,63-1/6-10	1,9		
EB2 250/3H 250A 3p	250	004672132		0,63-1/6-13			
EB2 160/4H 160A 4p	160	004672121	4	0,63-1/6-13	1,9		
EB2 250/4H 160A 4p	160	004672133		0,63-1/6-13			
EB2 250/4H 200A 4p	200	004672134	4	0,63-1/6-13	1,9		
EB2 250/4H 250A 4p	250	004672135		0,63-1/6-10			



**ETIBREAK EB2 400**

Type	$I_n$ [A]	Code No.	Poles	$I_{cu}/I_{cs}$ 400/415V [kA]	Adjustment thermal/magnetic	Weight [kg]	Packaging [pcs]
EB2 400/3LF 400A 3p	400A	004671105	3	25/25	fixed/fixe	4,2	1
EB2 400/3SF 400A 3p	400A	004671106		36/36	fixed/adjustable	4,2	
EB2 400/4SF 400A 4p	400A	004671108	4		(6-12)	5,6	
EB2 400/3L 250A 3p	250	004671091	3	25/25	0,63-1/6-12	4,2	1
EB2 400/3L 400A 3p	400	004671092				5,6	
EB2 400/4L 250A 4p	250	004671093	4	50/50	0,63-1/6-12	4,3	
EB2 400/4L 400A 4p	400	004671094				5,7	
EB2 400/3S 250A 3p	250	004671101	3	50/50	0,63-1/6-12	4,3	1
EB2 400/3S 400A 3p	400	004671102				5,7	
EB2 400/4S 250A 4p	250	004671103	4	50/50	0,63-1/6-12	4,3	
EB2 400/4S 400A 4p	400	004671104				5,7	

## Technical data

## Low voltage moulded case circuit breaker EB2

Product series	description	unit	condition	EB2 125			EB2 160	
Model-type				L	S	H	S	H
Number of poles				3, 4			3, 4	
Nominal current ratings								
	$I_n$	(A)	50°C	20,32,50,			160	
				63,100,125				
Electrical characteristics								
Rated operational voltage	$U_e$	(V)	AC 50/60 Hz	690	690	690	690	690
			DC	250	250	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	-	6	6	7.5	7.5
			525V AC	8	22	25	25	25
			440V AC	15	25	50	25	50
			400/415V AC	25	36	65	36	65
			220/240V AC	35	50	85	65	85
			250V DC	25	25	40	40	40
Service breaking capacity (IEC, JIS, AS/NZS)	$I_{cs}$	(kA)	690V AC	-	6	6	7.5	7.5
			525V AC	6	22	22	25	25
			440V AC	12	25	25	25	25
			400/415V AC	19	36/30	36/33	36	36
			220/240V AC	27	50	85	65	85
			250V DC	19	19	40	40	40
Rated breaking capacity (NEMA)		(kA)	480V AC	8	22	25	22	25
			240VAC	35	50	85	65	85
Protection								
Adjustable thermal, adjustable magnetic				■	■		■	
Fixed thermal, fixed magnetic				■				
Microprocessor								
Utilisation category				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)		155	155		165	
	w	(mm)	3 pole	90	90		105	
			4 pole	120	120		140	
	d	(mm)		68	68		68	
Weight	W	(kg)	3 pole	1.1	1.1		1.5	
			4 pole	1.4	1.4		1.9	
Operation								
Direct Opening Action				■	■		■	
Toggle operation				■	■		■	
Variable depth / direct mount operating handle				•	•		•	
Motor operator				•	•		•	
Endurance	Electrical	cycles	415V AC	30000	30000		20000	
	Mechanical	cycles		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