



- LTM**
Line thermal magnetic protection
- LTMD**
Selective thermal magnetic protection
- GTM**
Generator thermal magnetic protection
- Mag Break™**
Magnetic Only protection
- SMR1**
Selective electronic trip unit
- Y**
Non Automatic or switch (not mentioned in tables)

FE Frame

Breaking capacities

Icu 400/415V AC in kA eff.

Type	V	N	H	L
FE160		50	80	150
FE250	36	50	80	150

Protection

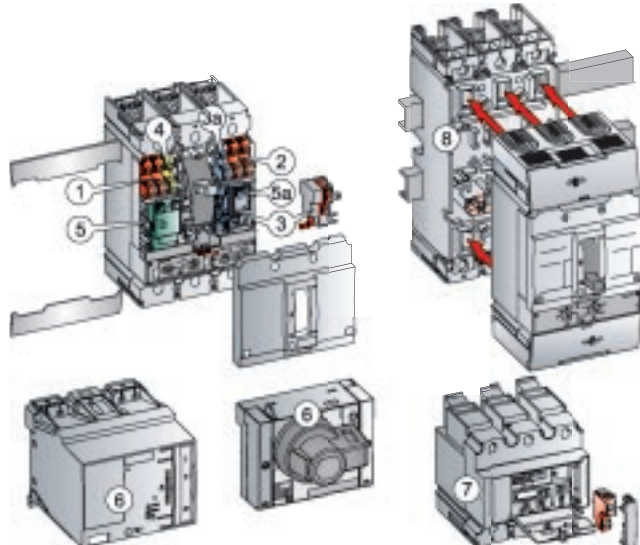
Trip Unit	Rated Current (A)	LTM	LTMD	GTM	Mag Break™	SMR1
FE160	3				N, H, L	
	7				N, H, L	
	12.5				N, H, L	
	20				N, H, L	
	25	N, H, L				N, H, L
	30				N, H, L	
	32	N, H, L				
	40	N, H, L				
	50	N, H, L				N, H, L
	63	N, H, L				N, H, L
FE250	80	N, H, L			N, H, L	
	100	N, H, L	N, H, L	N, H, L	N, H, L	
	125	N, H, L	N, H, L	N, H, L	N, H, L	N, H, L
	160	N, H, L	N, H, L	N, H, L	N, H, L	N, H, L
	125		N, H, L			N, H, L
	160	V	N, H, L	N, H, L	N, H, L	N, H, L
	200	V	N, H, L	N, H, L	N, H, L	N, H, L
250	V	N, H, L	N, H, L	N, H, L	N, H, L	

Number of poles/ protected poles (trips)	LTM	LTMD	GTM	Mag Break™	SMR1
3 pole 3 trips	V, N, H, L	N, H, L	N, H	N, H, L	N, H, L
4 pole 3 trips	N, H, L	N, H, L	N, H	N, H, L	N, H, L
4 pole 4 trips	V, N, H, L	N, H, L	N, H		N, H, L
4 pole 3.5 trips (N=50%) ⁽¹⁾	N, H, L	N, H, L	N, H		N, H, L

(1) Rated current ≥ 63A

Accessories (main types)

- ① Auxiliary contact left mounted (NO or NC) 1 or 2pcs.
- ② Auxiliary contact right mounted (NO or NC) 1 or 2pcs.
- ③ Bell Alarm thermal magnetic trip unit (NO or NC)
- ③a Bell Alarm electronic trip unit (NO or NC)
- ④ Bell Alarm mechanism (NO or NC)
- ⑤ Shunt or Undervoltage release
- ⑤a Actuator for electronic trip unit.
- ⑥ Operators
 - Rotary Handle
 - Electrical Operator
- ⑦ Bottom mounted RCD (below trip unit) (Insert indicates Bell alarm contact mounting)
- ⑧ Plug-in or draw-out system



FE160 - Complete Circuit Breaker

Line Thermal Magnetic LTM (adjustable settings)

In (A)	3 pole 3 trips		4 pole 3 trips ⁽¹⁾		4 pole 4 trips ⁽¹⁾		4 pole 3.5 trips (N=50%) ⁽¹⁾		
	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	
50 kA FEN	25	FEN36TA025JF	435103	FEN436TA025JF	435178	FEN46TA025JF	435214	-	-
	32	FEN36TA032JF	435106	FEN436TA032JF	435181	FEN46TA032JF	435217	-	-
	40	FEN36TA040JF	435109	FEN436TA040JF	435184	FEN46TA040JF	435220	-	-
	50	FEN36TA050JF	435112	FEN436TA050JF	435187	FEN46TA050JF	435223	-	-
	63	FEN36TA063JF	435115	FEN436TA063JF	435190	FEN46TA063JF	435226	FEN456TA063JF	435202
	80	FEN36TA080JF	431751	FEN436TA080JF	431838	FEN46TA080JF	431949	FEN456TA080JF	431886
	100	FEN36TA100JF	431751	FEN436TA100JF	431844	FEN46TA100JF	431955	FEN456TA100JF	431892
	125	FEN36TA125JF	431763	FEN436TA125JF	431850	FEN46TA125JF	431961	FEN456TA125JF	431898
160	FEN36TA160JF	431769	FEN436TA160JF	431856	FEN46TA160JF	431967	FEN456TA160JF	431904	
80 kA FEH	25	FEH36TA025JF	434772	FEH436TA025JF	434847	FEH46TA025JF	434883	-	-
	32	FEH36TA032JF	434775	FEH436TA032JF	434850	FEH46TA032JF	434886	-	-
	40	FEH36TA040JF	434778	FEH436TA040JF	434853	FEH46TA040JF	434889	-	-
	50	FEH36TA050JF	434781	FEH436TA050JF	434856	FEH46TA050JF	434892	-	-
	63	FEH36TA063JF	434784	FEH436TA063JF	434859	FEH46TA063JF	434895	FEH456TA063JF	434871
	80	FEH36TA080JF	431165	FEH436TA080JF	431252	FEH46TA080JF	431363	FEH456TA080JF	431300
	100	FEH36TA100JF	431171	FEH436TA100JF	431258	FEH46TA100JF	431369	FEH456TA100JF	431306
	125	FEH36TA125JF	431177	FEH436TA125JF	431264	FEH46TA125JF	431375	FEH456TA125JF	431312
160	FEH36TA160JF	431183	FEH436TA160JF	431270	FEH46TA160JF	431381	FEH456TA160JF	431318	
150 kA FEL	25	FEL36TA025JF	434970	FEL436TA025JF	435013	FEL46TA025JF	435049	-	-
	32	FEL36TA032JF	434973	FEL436TA032JF	435016	FEL46TA032JF	435052	-	-
	40	FEL36TA040JF	434976	FEL436TA040JF	435019	FEL46TA040JF	435055	-	-
	50	FEL36TA050JF	434979	FEL436TA050JF	435022	FEL46TA050JF	435058	-	-
	63	FEL36TA063JF	434982	FEL436TA063JF	435025	FEL46TA063JF	435061	FEL456TA063JF	435037
	80	FEL36TA080JF	431458	FEL436TA080JF	431545	FEL46TA080JF	431656	FEL456TA080JF	431593
	100	FEL36TA100JF	431464	FEL436TA100JF	431551	FEL46TA100JF	431662	FEL456TA100JF	431599
	125	FEL36TA125JF	431470	FEL436TA125JF	431557	FEL46TA125JF	431668	FEL456TA125JF	431605
160	FEL36TA160JF	431476	FEL436TA160JF	431563	FEL46TA160JF	431674	FEL456TA160JF	431611	

One code covers: A standard fixed front connection breaker + Toggle elongator + Breaker finishing covers + Fixation hardware

Selective Thermal Magnetic LTMD (adjustable settings)

In (A)	3 pole 3 trips		4 pole 3 trips ⁽¹⁾		4 pole 4 trips ⁽¹⁾		4 pole 3.5 trips (N=50%) ⁽¹⁾		
	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	
50 kA FEN	100	FEN36TD100JF	432945	FEN436TD100JF	432994	FEN46TD100JF	433061	FEN456TD100JF	433028
	125	FEN36TD125JF	432953	FEN436TD125JF	433001	FEN46TD125JF	433067	FEN456TD125JF	433034
	160	FEN36TD160JF	432971	FEN436TD160JF	433007	FEN46TD160JF	433073	FEN456TD160JF	433040
80 kA FEH	100	FEH36TD100JF	431007	FEH436TD100JF	432198	FEH46TD100JF	432287	FEH456TD100JF	432242
	125	FEH36TD125JF	431021	FEH436TD125JF	432205	FEH46TD125JF	432296	FEH456TD125JF	432250
	160	FEH36TD160JF	431965	FEH436TD160JF	432214	FEH46TD160JF	432303	FEH456TD160JF	432259
150 kA FEL	100	FEL36TD100JF	432332	FEL436TD100JF	432374	FEL46TD100JF	432907	FEL456TD100JF	432699
	125	FEL36TD125JF	432341	FEL436TD125JF	432573	FEL46TD125JF	432921	FEL456TD125JF	432747
	160	FEL36TD160JF	432349	FEL436TD160JF	432585	FEL46TD160JF	432927	FEL456TD160JF	432834

One code covers: A standard fixed front connection breaker + Toggle elongator + Breaker finishing covers + Fixation hardware

Generator Thermal Magnetic GTM

In (A)	3 pole 3 trips		4 pole 3 trips ⁽¹⁾		4 pole 4 trips ⁽¹⁾		4 pole 3.5 trips (N=50%) ⁽¹⁾		
	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	
50 kA FEN	100	FEN36TG100JF	435139	FEN436TG100JF	436014	FEN46TG100JF	435250	FEN456TG100JF	436020
	125	FEN36TG125JF	435142	FEN436TG125JF	436015	FEN46TG125JF	435253	FEN456TG125JF	436021
	160	FEN36TG160JF	435148	FEN436TG160JF	436016	FEN46TG160JF	435259	FEN456TG160JF	436022
80 kA FEH	100	FEH36TG100JF	434808	FEH436TG100JF	435902	FEH46TG100JF	434919	FEH456TG100JF	436026
	125	FEH36TG125JF	434811	FEH436TG125JF	435903	FEH46TG125JF	434922	FEH456TG125JF	436027
	160	FEH36TG160JF	434817	FEH436TG160JF	435904	FEH46TG160JF	434928	FEH456TG160JF	436028
150 kA FEL	100	FEL36TG100JF	435923	FEL436TG100JF	435944	FEL46TG100JF	435992	FEL456TG100JF	435962
	125	FEL36TG125JF	435926	FEL436TG125JF	435947	FEL46TG125JF	435995	FEL456TG125JF	435965
	160	FEL36TG160JF	435932	FEL436TG160JF	435950	FEL46TG160JF	436002	FEL456TG160JF	435968

One code covers: A standard fixed front connection breaker + Toggle elongator + Breaker finishing covers + Fixation hardware

(1) Neutral on the left. If neutral on the right is needed, please contact us.



FE160 - Complete Circuit Breaker

Motor protection (Mag Break™) Magnetic Only Breaker



In (A)	3 pole 3 trips		4 pole 3 trips ⁽¹⁾		Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.
	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.				
50kA FEN	3	FEN36MC003JF	436365	-	-	-	-	-
	7	FEN36MC007JF	435073	-	-	-	-	-
	12.5	FEN36MC012JF	435076	-	-	-	-	-
	20	FEN36MC020JF	435079	-	-	-	-	-
	30	FEN36MC030JF	435082	-	-	-	-	-
	50	FEN36MC050JF	435085	FEN436MC050JF	435160	-	-	-
	80	FEN36MC080JF	435899	-	-	-	-	-
	100	FEN36MC100JF	435088	FEN436MC100JF	435163	-	-	-
125	FEN36MC125JF	436335	FEN436MC125JF	436356	-	-	-	
160	FEN36MC160JF	435094	FEN436MC160JF	435169	-	-	-	



80kA FEH	3	FEH36MC003JF	436361	-	-	-	-	-
	7	FEH36MC007JF	434742	-	-	-	-	-
	12.5	FEH36MC012JF	434745	-	-	-	-	-
	20	FEH36MC020JF	434748	-	-	-	-	-
	30	FEH36MC030JF	434751	-	-	-	-	-
	50	FEH36MC050JF	434754	FEH436MC050JF	434829	-	-	-
	80	FEH36MC080JF	435893	-	-	-	-	-
	100	FEH36MC100JF	434757	FEH436MC100JF	434832	-	-	-
125	FEH36MC125JF	436327	FEH436MC125JF	436329	-	-	-	
160	FEH36MC160JF	434763	FEH436MC160JF	434838	-	-	-	



150kA FEL	3	FEL36MC003JF	436363	-	-	-	-	-
	7	FEL36MC007JF	434940	-	-	-	-	-
	12.5	FEL36MC012JF	434943	-	-	-	-	-
	20	FEL36MC020JF	434946	-	-	-	-	-
	30	FEL36MC030JF	434949	-	-	-	-	-
	50	FEL36MC050JF	434952	FEL436MC050JF	434994	-	-	-
	80	FEL36MC080JF	435896	-	-	-	-	-
	100	FEL36MC100JF	434955	FEL436MC100JF	434997	-	-	-
125	FEL36MC125JF	436331	FEL436MC125JF	436333	-	-	-	
160	FEL36MC160JF	434961	FEL436MC160JF	435004	-	-	-	

One code covers: A standard fixed front connection breaker + Toggle elongator + Breaker finishing covers + Fixation hardware

Selective Electronic Trip Unit (SMR1) without Rating Plug



In (A)	3 pole		4 pole ⁽¹⁾		
	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	
50 kA FEN	25	FEN36AA025JBF	435881	FEN46AA025JBF	435887
	63	FEN36AA063JEF	435884	FEN46AA063JEF	435890
	125	FEN36AA125JGF	431698	FEN46AA125JGF	431787
	160	FEN36AA160JJF	431703	FEN46AA160JJF	431790



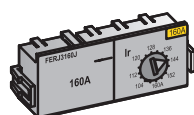
80 kA FEH	25	FEH36AA025JBF	435857	FEH46AA025JBF	435863
	63	FEH36AA063JEF	435860	FEH46AA063JEF	435866
	125	FEH36AA125JGF	431112	FEH46AA125JGF	431201
	160	FEH36AA160JJF	431117	FEH46AA160JJF	431204



150 kA FEL	25	FEL36AA025JBF	435869	FEL46AA025JBF	435875
	63	FEL36AA063JEF	435872	FEL46AA063JEF	435878
	125	FEL36AA125JGF	431405	FEL46AA125JGF	431494
	160	FEL36AA160JJF	431410	FEL46AA160JJF	431497

One code covers: A standard fixed front connection breaker + Toggle elongator + Breaker finishing covers + Fixation hardware

Ir 0.64: 1xIn Adjustable Rating Plugs for Trip Units SMR1



In (A)	3 pole 3 trips		4 pole 3 trips ⁽¹⁾		4 pole 4 trips ⁽¹⁾		4 pole 3.5 trips (N=50%) ⁽¹⁾		
	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	
25A	16	FERJ3B0016	432174	FERJ43B0016	432210	FERJ4B0016	432276	-	-
	25	FERJ3B0025	432177	FERJ43B0025	432213	FERJ4B0025	432279	-	-
63A	40	FERJ3E0040	432180	FERJ43E0040	432216	FERJ4E0040	432282	-	-
	63	FERJ3E0063	432183	FERJ43E0063	432219	FERJ4E0063	432285	FERJ45E0063	432249
125A	80	FERJ3G0080	432186	FERJ43G0080	432222	FERJ4G0080	432288	FERJ45G0080	432252
	125	FERJ3G0125	432192	FERJ43G0125	432228	FERJ4G0125	432294	FERJ45G0125	432258
160A	100	FERJ3J0100	432189	FERJ43J0100	432225	FERJ4J0100	432291	FERJ45J0100	432255
	160	FERJ3J0160	432195	FERJ43J0160	432231	FERJ4J0160	432297	FERJ45J0160	432261

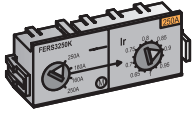
(1) Neutral on the left. If neutral on the right is needed, please contact us.



FE160 - Complete Circuit Breaker

Ir 0.4: 1xIn

Switchable Rating Plugs for Trip Units SMR1



In (A)	3 pole 3 trips		4 pole 3 trips ⁽¹⁾		4 pole 4 trips ⁽¹⁾		4 pole 3.5 trips (N=50%) ⁽¹⁾		
	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	
25A	25	FERS3B0025	432312	FERS43B0025	432330	FERS4B0025	432363	-	-
63A	63	FERS3E0063	432315	FERS43E0063	432333	FERS4E0063	432366	FERS45E0063	432348
125A	125	FERS3G0125	432318	FERS43G0125	432336	FERS4G0125	432369	FERS45G0125	432351
160A	160	FERS3J0160	432321	FERS43J0160	432339	FERS4J0160	432372	FERS45J0160	432354

Selective Electronic Trip Unit (SMR1) with Switchable Rating Plug



In (A)	3 pole 3 trips		4 pole 3 trips ⁽¹⁾		4 pole 4 trips ⁽¹⁾		4 pole 3.5 trips (N=50%) ⁽¹⁾		
	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	
50 kA FEN	125	FEN36SA125JGF	431724	FEN436SA125JGF	431811	FEN46SA125JGF	431922	FEN456SA125JGF	431871
	160	FEN36SA160JJF	431727	FEN436SA160JJF	431814	FEN46SA160JJF	431925	FEN456SA160JJF	431874
80 kA FEH	125	FEH36SA125JGF	431138	FEH436SA125JGF	431225	FEH46SA125JGF	431336	FEH456SA125JGF	431285
	160	FEH36SA160JJF	431141	FEH436SA160JJF	431228	FEH46SA160JJF	431339	FEH456SA160JJF	431288
150 kA FEL	125	FEL36SA125JGF	431431	FEL436SA125JGF	431518	FEL46SA125JGF	431629	FEL456SA125JGF	431578
	160	FEL36SA160JJF	431434	FEL436SA160JJF	431521	FEL46SA160JJF	431632	FEL456SA160JJF	431581
One code covers: A standard fixed front connection breaker + Toggle elongator + Breaker finishing covers + Fixation hardware									

Complete Non-Automatic Circuit Breaker (Switch)

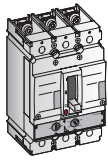


In (A)	3 pole		4 pole ⁽¹⁾					
160	FEY306D160JF	431988	FEY406D160JF	431994				
FEY	One code covers: A standard fixed front connection breaker + Toggle elongator + Breaker finishing covers + Fixation hardware							

(1) Neutral on the left. If neutral on the right is needed, please contact us

FE250 - Complete Circuit Breaker

Line Thermal Magnetic LTM (adjustable settings)



In (A)	3 pole 3 trips			4 pole 4 trips ⁽¹⁾	
	Cat. nr.	Ref. nr.		Cat. nr.	Ref. nr.
36 kA FEV	160	FEV36TA160KF	436798	FEV46TA160KF	436817
	200	FEV36TA200KF	431058	FEV46TA200KF	431094
	250	FEV36TA250KF	431061	FEV46TA250KF	431097
One code covers: A standard fixed front connection breaker + Fixation hardware					

Selective Thermal Magnetic LTMD (adjustable settings)



In (A)	3 pole 3 trips		4 pole 3 trips ⁽¹⁾		4 pole 4 trips ⁽¹⁾		4 pole 3.5 trips (N=50%) ⁽¹⁾		
	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	
50 kA FEN	125	FEN36TD125KF	432962	FEN436TD125KF	433004	FEN46TD125KF	433070	FEN456TD125KF	433037
	160	FEN36TD160KF	432976	FEN436TD160KF	433010	FEN46TD160KF	433076	FEN456TD160KF	433043
	200	FEN36TD200KF	432979	FEN436TD200KF	433013	FEN46TD200KF	433079	FEN456TD200KF	433046
	250	FEN36TD250KF	432982	FEN436TD250KF	433016	FEN46TD250KF	433082	FEN456TD250KF	433049
80 kA FEH	125	FEH36TD125KF	431393	FEH436TD125KF	432209	FEH46TD125KF	432300	FEH456TD125KF	432254
	160	FEH36TD160KF	431980	FEH436TD160KF	432218	FEH46TD160KF	432307	FEH456TD160KF	432263
	200	FEH36TD200KF	432076	FEH436TD200KF	432223	FEH46TD200KF	432311	FEH456TD200KF	432266
	250	FEH36TD250KF	432096	FEH436TD250KF	432227	FEH46TD250KF	432316	FEH456TD250KF	432269
150 kA FEL	125	FEL36TD125KF	432344	FEL436TD125KF	432576	FEL46TD125KF	432924	FEL456TD125KF	432780
	160	FEL36TD160KF	432353	FEL436TD160KF	432588	FEL46TD160KF	432930	FEL456TD160KF	432843
	200	FEL36TD200KF	432357	FEL436TD200KF	432618	FEL46TD200KF	432933	FEL456TD200KF	432868
	250	FEL36TD250KF	432361	FEL436TD250KF	432621	FEL46TD250KF	432936	FEL456TD250KF	432871
One code covers: A standard fixed front connection breaker + Toggle elongator + Breaker finishing covers + Fixation hardware									

Generator Thermal Magnetic GTM



In (A)	3 pole 3 trips		4 pole 3 trips ⁽¹⁾		4 pole 4 trips ⁽¹⁾		4 pole 3.5 trips (N=50%) ⁽¹⁾		
	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	
50kA FEN	160	FEN36TG160KF	435151	FEN436TG160KF	436017	FEN46TG160KF	435262	FEN456TG160KF	436023
	200	FEN36TG200KF	435154	FEN436TG200KF	436018	FEN46TG200KF	435265	FEN456TG200KF	436024
	250	FEN36TG250KF	435157	FEN436TG250KF	436019	FEN46TG250KF	435268	FEN456TG250KF	436025
80kA FEH	160	FEH36TG160KF	434820	FEH436TG160KF	435905	FEH46TG160KF	434931	FEH456TG160KF	435908
	200	FEH36TG200KF	434823	FEH436TG200KF	435906	FEH46TG200KF	434934	FEH456TG200KF	435909
	250	FEH36TG250KF	434826	FEH436TG250KF	435907	FEH46TG250KF	434937	FEH456TG250KF	435910
150kA FEL	160	FEL36TG160KF	435935	FEL436TG160KF	435953	FEL46TG160KF	436005	FEL456TG160KF	435971
	200	FEL36TG200KF	435938	FEL436TG200KF	435956	FEL46TG200KF	436008	FEL456TG200KF	435974
	250	FEL36TG250KF	435941	FEL436TG250KF	435959	FEL46TG250KF	436011	FEL456TG250KF	435977
One code covers: A standard fixed front connection breaker + Toggle elongator + Breaker finishing covers + Fixation hardware									

Motor protection (Mag Break™) Magnetic Only Breaker



In (A)	3 pole 3 trips		4 pole 3 trips ⁽¹⁾		
	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	
50kA FEN	160	FEN36MC160KF	435097	FEN436MC160KF	435172
	200	FEN36MC200KF	436764	FEN436MC200KF	436765
	250	FEN36MC250KF	435100	FEN436MC250KF	435175
80kA FEH	160	FEH36MC160KF	434766	FEH436MC160KF	434841
	200	FEH36MC200KF	436754	FEH436MC200KF	436755
	250	FEH36MC250KF	434769	FEH436MC250KF	434844
150kA FEL	160	FEL36MC160KF	434964	FEL436MC160KF	435007
	200	FEL36MC200KF	436756	FEL436MC200KF	436763
	250	FEL36MC250KF	434967	FEL436MC250KF	435010
One code covers: A standard fixed front connection breaker + Toggle elongator + Breaker finishing covers + Fixation hardware					

(1) Neutral on the left. If neutral on the right is needed, please contact us.

FE250 - Complete Circuit Breaker



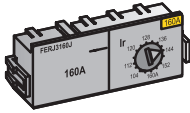
Selective Electronic Trip Unit (SMR1) without Rating Plug

In (A)	3 pole		4 pole ⁽¹⁾		Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.
	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.				
50 kA FEN	125	FEN36AA125KGF	431920	FEN46AA125KGF	431938			
	160	FEN36AA160KJF	431706	FEN46AA160KJF	431793			
	250	FEN36AA250KKF	431709	FEN46AA250KKF	431796			
80 kA FEH	125	FEH36AA125KGF	431116	FEH46AA125KGF	431824			
	160	FEH36AA160KJF	431120	FEH46AA160KJF	431207			
	250	FEH36AA250KKF	431123	FEH46AA250KKF	431210			
150 kA FEL	125	FEL36AA125KGF	431836	FEL46AA125KGF	431890			
	160	FEL36AA160KJF	431413	FEL46AA160KJF	431500			
	250	FEL36AA250KKF	431416	FEL46AA250KKF	431503			

One code covers: A standard fixed front connection breaker + Toggle elongator + Breaker finishing covers + Fixation hardware

Ir 0.64: 1xIn

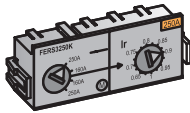
Adjustable Rating Plugs for Trip Units SMR1



In (A)	3 pole 3 trips	4 pole 3 trips ⁽¹⁾	4 pole 4 trips ⁽¹⁾	4 pole 3.5 trips (N=50%) ⁽¹⁾					
125A	80	FERJ3G0080	432186	FERJ4G0080	432288	FERJ45G0080	432252		
	125	FERJ3G0125	432192	FERJ43G0125	432228	FERJ4G0125	432294	FERJ45G0125	432258
160A	100	FERJ3J0100	432189	FERJ43J0100	432225	FERJ4J0100	432291	FERJ45J0100	432255
	160	FERJ3J0160	432195	FERJ43J0160	432231	FERJ4J0160	432297	FERJ45J0160	432261
250A	160	FERJ3K0160	432204	FERJ43K0160	432240	FERJ4K0160	432306	FERJ45K0160	432270
	250	FERJ3K0250	432207	FERJ43K0250	432243	FERJ4K0250	432309	FERJ45K0250	432273

Ir 0.4: 1xIn

Switchable Rating Plugs for Trip Units SMR1



In (A)	3 pole 3 trips	4 pole 3 trips ⁽¹⁾	4 pole 4 trips ⁽¹⁾	4 pole 3.5 trips (N=50%) ⁽¹⁾					
125A	125	FERS3G0125	432318	FERS43G0125	432336	FERS4G0125	432369	FERS45G0125	432351
160A	160	FERS3J0160	432321	FERS43J0160	432339	FERS4J0160	432372	FERS45J0160	432354
250A	250	FERS3K0250	432327	FERS43K0250	432345	FERS4K0250	432378	FERS45K0250	432360



Selective Electronic Trip Unit (SMR1) with Switchable Rating Plug

In (A)	3 pole 3 trips	4 pole 3 trips ⁽¹⁾	4 pole 4 trips ⁽¹⁾	4 pole 3.5 trips (N=50%) ⁽¹⁾					
50 kA FEN	160	FEN36SA160KJF	431730	FEN436SA160KJF	431817	FEN46SA160KJF	431928	FEN456SA160KJF	431877
	250	FEN36SA250KKF	431733	FEN436SA250KKF	431820	FEN46SA250KKF	431931	FEN456SA250KKF	431880
80 kA FEH	160	FEH36SA160KJF	431144	FEH436SA160KJF	431231	FEH46SA160KJF	431342	FEH456SA160KJF	431291
	250	FEH36SA250KKF	431147	FEH436SA250KKF	431234	FEH46SA250KKF	431345	FEH456SA250KKF	431294
150 kA FEL	160	FEL36SA160KJF	431437	FEL436SA160KJF	431524	FEL46SA160KJF	431635	FEL456SA160KJF	431584
	250	FEL36SA250KKF	431440	FEL436SA250KKF	431527	FEL46SA250KKF	431638	FEL456SA250KKF	431587

One code covers: A standard fixed front connection breaker + Toggle elongator + Breaker finishing covers + Fixation hardware



Complete Non-Automatic Circuit Breaker (Switch)

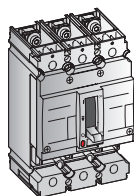
In (A)	3 pole	4 pole ⁽¹⁾			
FEY	250	FEY306D250KF	431991	FEY406D250KF	431997

One code covers: A standard fixed front connection breaker + Toggle elongator + Breaker finishing covers + Fixation hardware

(1) Neutral on the left. If neutral on the right is needed, please contact us

FE160 - Circuit Breaker in components

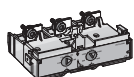
Breaker frames: Without trip unit



50kA FEN	In (A)	3 pole		4 pole		Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.
		Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.				
	160	FEN306F160JF	431712	FEN406F160JF	431799				
80kA FEH	160	FEH306F160JF	431126	FEH406F160JF	431213				
150kA FEL	160	FEL306F160JF	431419	FEL406F160JF	431506				

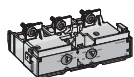
One code covers: A standard fixed front connection breaker + Toggle elongator + Breaker finishing covers + Fixation hardware

Trip units: Line Thermal Magnetic (adjustable settings)



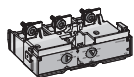
LTM	In (A)	3 pole 3 trips		4 pole 3 trips ⁽¹⁾		4 pole 4 trips ⁽¹⁾		4 pole 3.5 trips (N=50%) ⁽¹⁾	
		Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.
	25	FETTA3J0025	432546	FETTA43J0025	432391	FETTA4J0025	432636	-	-
	32	FETTA3J0032	432549	FETTA43J0032	432394	FETTA4J0032	432639	-	-
	40	FETTA3J0040	432552	FETTA43J0040	432397	FETTA4J0040	432642	-	-
	50	FETTA3J0050	432555	FETTA43J0050	432400	FETTA4J0050	432645	-	-
	63	FETTA3J0063	432558	FETTA43J0063	432403	FETTA4J0063	432648	FETTA45J0063	432603
	80	FETTA3J0080	432561	FETTA43J0080	432406	FETTA4J0080	432651	FETTA45J0080	432606
	100	FETTA3J0100	432564	FETTA43J0100	432409	FETTA4J0100	432654	FETTA45J0100	432609
	125	FETTA3J0125	432567	FETTA43J0125	432412	FETTA4J0125	432657	FETTA45J0125	432612
	160	FETTA3J0160	432570	FETTA43J0160	432582	FETTA4J0160	432660	FETTA45J0160	432615

Trip units: Selective Thermal Magnetic (adjustable settings)



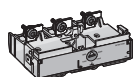
LTMD	In (A)	3 pole 3 trips		4 pole 3 trips ⁽¹⁾		4 pole 4 trips ⁽¹⁾		4 pole 3.5 trips (N=50%) ⁽¹⁾	
		Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.
	100	FETTD3J0100	433159	FETTD43J0100	433201	FETTD4J0100	433269	FETTD45J0100	433231
	125	FETTD3J0125	433164	FETTD43J0125	433204	FETTD4J0125	433272	FETTD45J0125	433234
	160	FETTD3J0160	433168	FETTD43J0160	433207	FETTD4J0160	433275	FETTD45J0160	433239

Trip units: Generator Thermal Magnetic



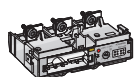
GTM	In (A)	3 pole 3 trips		4 pole 3 trips ⁽¹⁾		4 pole 4 trips ⁽¹⁾		4 pole 3.5 trips (N=50%) ⁽¹⁾	
		Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.
	100	FETTG3J0100	433296	FETTG43J0100	433311	FETTG4J0100	433332	FETTG45J0100	433326
	125	FETTG3J0125	432693	FETTG43J0125	432717	FETTG4J0125	432774	FETTG45J0125	432741
	160	FETTG3J0160	432696	FETTG43J0160	432720	FETTG4J0160	432777	FETTG45J0160	432744

Trip units: Mag Break™, Magnetic only type for motor protection



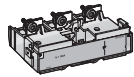
MC	In (A)	3 pole 3 trips		4 pole 3 trips ⁽¹⁾	
		Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.
	3	FETMC3J0003	436367	-	-
	7	FETMC3J0007	432492	-	-
	12.5	FETMC3J0012	432495	-	-
	20	FETMC3J0020	432498	-	-
	30	FETMC3J0030	434736	-	-
	50	FETMC3J0050	432501	FETMC43J0050	432528
	80	FETMC3J0080	436078	-	-
	100	FETMC3J0100	432504	FETMC43J0100	432531
	125	FETMC3J0125	436358	FETMC43J0125	436359
	160	FETMC3J0160	432510	FETMC43J0160	432537

Trip units: Selective Electronic type without Rating Plug



SMR1	In (A)	3 pole		4 pole ⁽¹⁾	
		Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.
	25	FETAA3J0025	432414	FETAA4J0025	432432
	63	FETAA3J0063	432417	FETAA4J0063	432435
	125	FETAA3J0125	432420	FETAA4J0125	432438
	160	FETAA3J0160	432423	FETAA4J0160	432441

Trip units: Dummy for non Automatic Circuit Breaker (Switch)

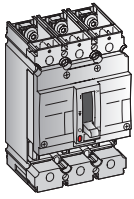


Y	In (A)	3 pole		4 pole ⁽¹⁾	
		Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.
	160	FETD30J0160	432480	FETD40J0160	432486

(1) Neutral on the left. If neutral on the right is needed, please contact us

FE250 - Circuit Breaker in components

Breaker frames: Without trip unit



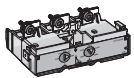
50kA FEN	In (A)	3 pole		4 pole		Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.
		Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.				
	250	FEN306F250KF	431715	FEN406F250KF	431802				

80kA FEH	In (A)	3 pole		4 pole		Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.
		Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.				
	250	FEH306F250KF	431129	FEH406F250KF	431216				

150kA FEL	In (A)	3 pole		4 pole		Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.
		Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.				
	250	FEL306F250KF	431422	FEL406F250KF	431509				

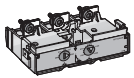
One code covers: A standard fixed front connection breaker + Toggle elongator + Breaker finishing covers + Fixation hardware

Trip units: Selective Thermal Magnetic (adjustable settings)



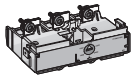
LTMD	In (A)	3 pole 3 trips		4 pole 3 trips ⁽¹⁾		4 pole 4 trips ⁽¹⁾		4 pole 3.5 trips (N=50%) ⁽¹⁾	
		Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.
	125	FETTD3K0125	433182	FETTD43K0125	433216	FETTD4K0125	433284	FETTD45K0125	433252
	160	FETTD3K0160	433186	FETTD43K0160	433219	FETTD4K0160	433287	FETTD45K0160	433257
	200	FETTD3K0200	433191	FETTD43K0200	433222	FETTD4K0200	433290	FETTD45K0200	433260
	250	FETTD3K0250	433195	FETTD43K0250	433225	FETTD4K0250	433293	FETTD45K0250	433263

Trip units: Generator Thermal Magnetic



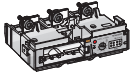
GTM	In (A)	3 pole 3 trips		4 pole 3 trips ⁽¹⁾		4 pole 4 trips ⁽¹⁾		4 pole 3.5 trips (N=50%) ⁽¹⁾	
		Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.
	160	FETTG3K0160	432705	FETTG43K0160	432729	FETTG4K0160	432786	FETTG45K0160	432753
	200	FETTG3K0200	432708	FETTG43K0200	432732	FETTG4K0200	432789	FETTG45K0200	432756
	250	FETTG3K0250	432711	FETTG43K0250	432735	FETTG4K0250	432792	FETTG45K0250	432759

Trip units: Mag Break™, Magnetic only type for motor protection



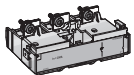
MC	In (A)	3 pole 3 trips		4 pole 3 trips ⁽¹⁾		Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.
		Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.				
	160	FETMC3K0160	432513	FETMC43K0160	432540				
	200	FETMC3K0200	436778	FETMC43K0200	436779				
	250	FETMC3K0250	432516	FETMC43K0250	432543				

Trip units: Selective Electronic type without Rating Plug



SMR1	In (A)	3 pole		4 pole ⁽¹⁾		Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.
		Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.				
	125	FETAA3K0125	432004	FETAA4K0125	432007				
	160	FETAA3K0160	432426	FETAA4K0160	432444				
	250	FETAA3K0250	432429	FETAA4K0250	432447				

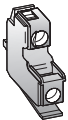
Trip units: Dummy for non Automatic Circuit Breaker (Switch)

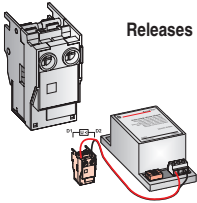


Y	In (A)	3 pole		4 pole ⁽¹⁾		Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.
		Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.				
	250	FETD30K0250	432483	FETD40K0250	432489				

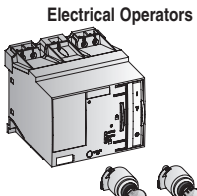
(1) Neutral on the left. If neutral on the right is needed, please contact us.

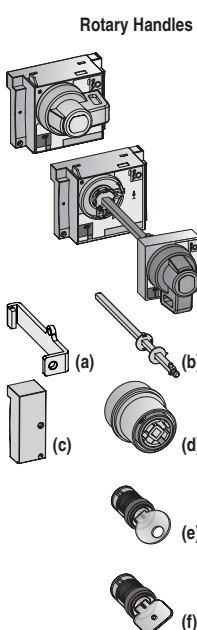
FE - Internal Accessories

Contacts	Normally open		Normally closed		Cat. nr.	Ref. nr.
	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.		
	Aux. switch right mounted	FAS10R	430837	FAS01R	430831	
	Aux. switch left mounted	FAS10L	430834	FAS01L	430828	
	Bell alarm electronic trip unit	FABAT10	430818	FABAT01	430815	
	Bell alarm thermal magnetic trip unit	FEBAT10	430970	FEBAT01	430969	
	Bell alarm mechanism	FABAM10	432003	FABAM01	432000	
	Bell alarm RCD device	FABAT10	430818	FABAT01	430815	

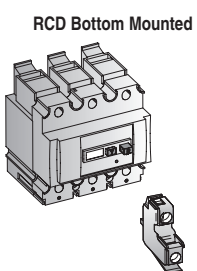
Releases	Shunt		Undervoltage		Delayed undervoltage		
	12V DC	FASHTB	430840	-	-	-	
	24V AC/DC	FASHTD	430843	FAUVRD	430861	-	
	48V AC/DC	FASHTF	430846	FAUVRF	430864	-	
	60V AC/DC	FASHTH	435118	FAUVRH	434120	-	
	110/130V AC/DC	FASHTJ	430849	FAUVRJ	430867	-	
	220/240V AC 250 V DC	FASHTN	430852	FAUVRN	430870	-	
	400/480V AC	FASHTU	430855	FAUVRU	430873	-	
	220/240V AC	-	-	-	-	FAUVDN	430858

FE - Operators

Electrical Operators	Direct on device		Rotary handle through door or cover plate ⁽²⁾		Panel or door mounted	
	24V AC/DC	FEEMFD	432052	-	-	-
	48V AC/DC	FEEMFF	432055	-	-	-
	60V AC/DC	FEEMFH	432058	-	-	-
	110/130V AC/DC	FEEMFJ	432061	-	-	-
	220/250V AC/DC	FEEMFN	432064	-	-	-
	400/440V AC	FEEMF8	435812	-	-	-
	Keylock for electrical operator Ronis ⁽¹⁾	FE1BRE	432012	-	-	-
	Keylock for electrical operator Profalux ⁽¹⁾	FE1BPE	432011	-	-	-

Rotary Handles	Direct on device		Rotary handle through door or cover plate ⁽²⁾		Panel or door mounted		
	Grey	FENRF	432114	FENRC	432102	-	
	Red	FENRFV	432117	FENRCV	432105	-	
	Grey + auxiliary contacts 2xNO ⁽³⁾	-	-	FENRY	432123	-	
	Red + auxiliary contacts 2xNO ⁽³⁾	-	-	FENRYV	433403	-	
	Grey (max. 350 mm)	-	-	-	-	FENRD	432108
	Red (max. 350 mm)	-	-	-	-	FENRDV	432111
	Grey + auxiliary contacts 2xNO ⁽³⁾	-	-	-	-	FENRZ	432126
	Red + auxiliary contacts 2xNO ⁽³⁾	-	-	-	-	FENRZV	432129
	Accessories			Only for use with panel or door mounted type			
	Flex operator adaptor push to trip, set of 2 pcs. (a)	FENFT	433531	Only for use with panel or door mounted type			
	Extension shaft kit (max. 600 mm) (b)	FDNRE	430986	Not for use with panel or door mounted type			
	Side-by-side installation adapter kit (c)	FENR4	432099				
	Adaptor for drawout (d)	FENRW	432120				
	Ronis keylock 1104B nr. BC 1027 ⁽¹⁾ (e)	FA1BR1	430088				
	Ronis keylock 1104B nr. BC 1053 ⁽¹⁾ (e)	FA1BR2	430089				
Ronis keylock 1104B nr. BC 2932 ⁽¹⁾ (e)	FA1BR3	430504					
Ronis keylock 1104B nr. BC 2911 ⁽¹⁾ (e)	FA1BR4	430505					
Ronis keylock 1104B nr. BC 2936 ⁽¹⁾ (e)	FA1BR5	430506					
Ronis keylock 1104B nr. BC 2940 ⁽¹⁾ (e)	FA1BR6	430507					
Ronis lock with random key ⁽¹⁾ (e)	FA1BRH	430068					
Profalux lock with random key ⁽¹⁾ (f)	FA1BPH	430813					

FE - Residual Current Devices

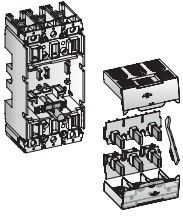
RCD Bottom Mounted	3 pole		4 pole		
	160A Voltage 220/440V AC	FEQDB3MJ	432138	FEQDB4MJ	432150
	160A Voltage 400/690V AC	FEQDB3HJ	432132	FEQDB4HJ	432144
	250A Voltage 220/440V AC	FEQDB3MK	432141	FEQDB4MK	432153
	250A Voltage 400/690V AC	FEQDB3HK	432135	FEQDB4HK	432147
	Normally open		Normally closed		
	Bell Alarm RCD device	FABAT10	430818	FABAT 01	430815

One code covers an RCD with: Fixation hardware + Sealable interconnection cover

(1) Key included
 (2) Add door flange FDFH for door lock options
 (3) On request 1xNO/1xNC is available.

FE - Plug-in System

Main system



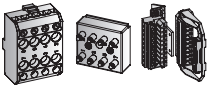
	3 pole		4 pole	
	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.
Complete set for breaker	FEDDF3	432034	FEDDF4	432037
Fixed part for breaker	FEDFF3	432040	FEDFF4	432043
Mobile part for breaker	FEDMP3	432046	FEDMP4	432049
Fixed part for breaker & RCD	FEDFQ3	430987	FEDFQ4	431842
Mobile part for breaker & RCD	FEDMP3	432046	FEDMP4	432049

Complete set: Fixed and mobile part with connection and fixation hardware

Fixed part: Fixed base with connection and fixation hardware

Mobile part: Mechanism trip device, terminal shields and set of plugs

Auxiliary disconnects (Secondary wiring)



Complete set 8pole	FAPFM	430824		
Fixed part 8 pole	FAPF8	430823		
Mobile part 8 pole	FAPM8	430826		
Plug and socket 10 pole	FAPPS	430827		

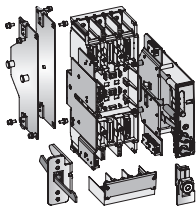
Insertion prevention kit



Insertion prevention kit (of ...wrong A rating)	FAPIP	430825		
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FE - Drawout System

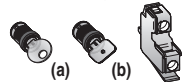
Main system



	3 pole		4 pole	
	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.
Complete set	FEWS3	432168	FEWS4	432171

One code covers the fixed and withdrawable part of the draw-out system, with plug-in base, mounting accessories and fixation hardware

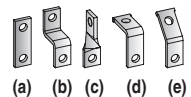
Accessories (for auxiliary disconnects see plug-in system)



Keylock in draw-out position Ronis ⁽¹⁾ (a)	FE1BRW	432188		
Keylock in draw-out position Profalux ⁽¹⁾ (b)	FE1BPW	432184		
Position indication contact NO	FAS01L	430828		
Position indication contact NC	FAS10L	430834		

FE - Connections: Optional

Extenders⁽³⁾



	3 pole		4 pole	
	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.
Standard flat type (a)	FEBES3	432026	FEBES4	432027
Heightened type (b)	FEBEH3	432024	FEBEH4	432025
Twisted 90° c	FEBEA3	432022	FEBEA4	432023
Angled 45° (d)	FEBE43	432018	FEBE44	432019
Angled 90° (e)	FEBE93	432020	FEBE94	432021

Spreader flat⁽³⁾



Pole spacing 45mm	FEBS3	432032	FEBS4	432033
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Rear Connections⁽³⁾



Set 3 pole (2 short, 1 long)	FEBC3	432028	-	-
Set 4 pole (2 short, 2 long)	-	-	FEBC4	432029
Set 3 pole (3 short)	FEBCS3	432190	-	-
Set 4 pole (4 short)	-	-	FEBCS4	432191

Internal Box Clamps⁽³⁾



	2.5 - 95mm ²		16 - 150mm ²	
	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.
Box Clamp Cu/Al, set 3 pole	FETCA1316	432156	FETCA1320	432157
Box Clamp Cu/Al, set 4 pole	FETCA1416	432158	FETCA1420	432159

External Box Clamps⁽³⁾



	70 - 185mm ²			
	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.
Box Clamp Cu/Al, set 3 pole ⁽²⁾	FETCA1323	432160		
Box Clamp Cu/Al, set 4 pole ⁽²⁾	FETCA1423	432161		

External Connectors⁽³⁾



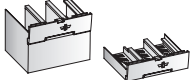
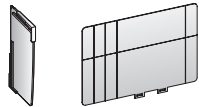
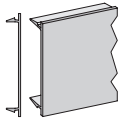
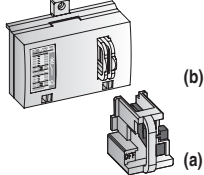

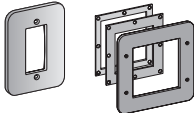
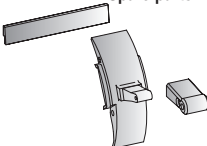
	6 copper cable cores 25mm ² or 35 mm ²			
	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.
Set 3 pole	FETCA630A	880954		
Set 4 pole	FETCA640A	880955		

(1) Key included

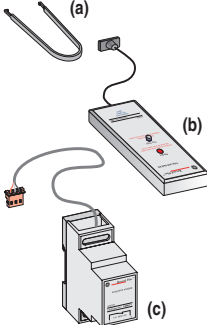
(2) External box clamps are always delivered with standard extender

(3) Set for equipping the line OR load side of breaker.

FE - Installation Accessories

	3 pole		4 pole		
	Cat. nr.	Ref. nr.	Cat. nr.	Ref. nr.	
Terminal shields (with finishing covers) 	Long, set of 2 pcs.	FEJL3	432079	FEJL4	432082
	Short, set of 2 pcs.	FEJS3	432088	FEJS4	432091
Specific to connection area 	Phase separators, set of 12 pcs	FEJP	432085		
	Backplate set of 2 pcs (3 or 4 pole)	FEJB	432073		
Covers 	Cutout filler for cover plate (64 mm), length of 1.2 m	FBF6	883970		
Padlocking devices for toggle operator⁽¹⁾ 	Padlocking removable (a)	FD1PR	430879		
	Padlocking fixed (b)	FE1PF	432017		
Circuit indication/coding 	Set of 20 blank labels	FAC	430821		
Door Flanges 	Breaker front face	FEFF3	432067	FEFF4	432068
	RCD unit front face for 3 pole and 4 pole	FDF3	430941		
	Front face toggle area	FEFT	432071		
	Rotary handle (through cover plate model)	FDFFH	430829		
	Motor operator	FEFE	430943		
Spare parts 	Finishing covers, set of 2 pcs. ⁽²⁾	FEUA3	432162	FEUA4	432163
	Spare toggle (set of 5 pieces)	FEUT	433540		

FE - Accessories Electronic Trip Units

	3 pole		
	Rating plug tool (a)	FAR	433500
	Battery test device (b)	FAT	431402
	Longtime module (c)	FAMLT1	433376

(1) Padlocks not included
 (2) Supplied with breakers, not with FEV type.