

# Reference guide Modular System Series Elfa 90

January 2017






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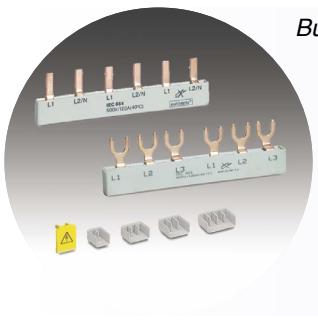
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








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


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Miniature Circuit Breakers - Series E90E 4,5kA - EN60898

4500	In (A)	Tripping characteristic B (3÷5)×In		Tripping characteristic C (5÷10)×In	
		Cat. No.	Ref. No.	Cat. No.	Ref. No.
<b>1P - 1 Module</b>					
 	1				
	2			E91EC02	552610
	3				
	4			E91EC04	552612
	6	E91EB06	552533	E91EC06	552613
	10	E91EB10	552535	E91EC10	552615
	13	E91EB13	552536	E91EC13	552616
	16	E91EB16	552537	E91EC16	552617
	20	E91EB20	552538	E91EC20	552618
	25	E91EB25	552539	E91EC25	552619
	32	E91EB32	552540	E91EC32	552620
	40	E91EB40	552541	E91EC40	552621
	50				
	63				
<b>1P + N - 2 Modules</b>					
 	1				
	2			E91EC02N	552672
	3				
	4			E91EC04N	552673
	6	E91EB06N	552592	E91EC06N	552674
	10	E91EB10N	552593	E91EC10N	552675
	13	E91EB13N	552594	E91EC13N	552676
	16	E91EB16N	552595	E91EC16N	552677
	20	E91EB20N	552596	E91EC20N	552678
	25	E91EB25N	552597	E91EC25N	552679
	32	E91EB32N	552598	E91EC32N	552680
	40	E91EB40N	552599	E91EC40N	552681
	50				
	63				
<b>2P - 2 Modules</b>					
 	1				
	2			E92EC02	552626
	3				
	4			E92EC04	552628
	6	E92EB06	552549	E92EC06	552629
	10	E92EB10	552551	E92EC10	552631
	13	E92EB13	552552	E92EC13	552632
	16	E92EB16	552553	E92EC16	552633
	20	E92EB20	552554	E92EC20	552634
	25	E92EB25	552555	E92EC25	552635
	32	E92EB32	552556	E92EC32	552636
	40	E92EB40	552557	E92EC40	552637
	50				
	63				
<b>3P - 3 Modules</b>					
 	1				
	2			E93EC02	552642
	3				
	4			E93EC04	552644
	6	E93EB06	552565	E93EC06	552645
	10	E93EB10	552567	E93EC10	552647
	13	E93EB13	552568	E93EC13	552648
	16	E93EB16	552569	E93EC16	552649
	20	E93EB20	552570	E93EC20	552650
	25	E93EB25	552571	E93EC25	552651
	32	E93EB32	552572	E93EC32	552652
	40	E93EB40	552573	E93EC40	552653
	50				
	63				
<b>4P - 4 Modules</b>					
 	1				
	2			E94EC02	552658
	3				
	4			E94EC04	552660
	6	E94EB06	552581	E94EC06	552661
	10	E94EB10	552583	E94EC10	552663
	13	E94EB13	552584	E94EC13	552664
	16	E94EB16	552585	E94EC16	552665
	20	E94EB20	552586	E94EC20	552666
	25	E94EB25	552587	E94EC25	552667
	32	E94EB32	552588	E94EC32	552668
	40	E94EB40	552589	E94EC40	552669
	50				
	63				






Compact Miniature Mircuit Breakers - Series EC90E 4,5kA - EN60898

4500	In (A)	Tripping characteristic B (3+5)×In		Tripping characteristic C (5+10)×In	
		Cat. No.	Ref. No.	Cat. No.	Ref. No.
<b>1P + N - 1 Module</b>					
 	1				
	2	<b>EC91EB02NR</b>	692874	<b>EC91EC02NR</b>	692856
	3				
	4	<b>EC91EB04NR</b>	692875	<b>EC91EC04NR</b>	692857
	6	<b>EC91EB06NR</b>	692876	<b>EC91EC06NR</b>	692858
	10	<b>EC91EB10NR</b>	692877	<b>EC91EC10NR</b>	692859
	13				
	16	<b>EC91EB16NR</b>	692878	<b>EC91EC16NR</b>	692860
	20	<b>EC91EB20NR</b>	692879	<b>EC91EC20NR</b>	692861
	25	<b>EC91EB25NR</b>	692880	<b>EC91EC25NR</b>	692862
	32	<b>EC91EB32NR</b>	692881	<b>EC91EC32NR</b>	692863
	40	<b>EC91EB40NR</b>	692882	<b>EC91EC40NR</b>	692864
	50				
	63				
<b>2P - 1 Module</b>					
 	1				
	2				
	3				
	4				
	6	<b>EC92EB06</b>	692975	<b>EC92EC06</b>	692894
	10	<b>EC92EB10</b>	692976	<b>EC92EC10</b>	692895
	13				
	16	<b>EC92EB16</b>	692977	<b>EC92EC16</b>	692896
	20	<b>EC92EB20</b>	692978	<b>EC92EC20</b>	692897
	25	<b>EC92EB25</b>	692979	<b>EC92EC25</b>	692898
	32	<b>EC92EB32</b>	692980	<b>EC92EC32</b>	692899
	40	<b>EC92EB40</b>	692981	<b>EC92EC40</b>	692900
	50				
	63				
<b>3P - 2 Modules *</b>					
 	1				
	2				
	3				
	4				
	6	<b>EC93EB06</b>	692984	<b>EC93EC06</b>	692903
	10	<b>EC93EB10</b>	692985	<b>EC93EC10</b>	692904
	13				
	16	<b>EC93EB16</b>	692986	<b>EC93EC16</b>	692905
	20	<b>EC93EB20</b>	692987	<b>EC93EC20</b>	692906
	25	<b>EC93EB25</b>	692988	<b>EC93EC25</b>	692907
	32	<b>EC93EB32</b>	692989	<b>EC93EC32</b>	692908
	40				
	50				
	63				
<b>4P - 2 Modules</b>					
 	1				
	2				
	3				
	4				
	6	<b>EC94EB06</b>	692993	<b>EC94EC06</b>	692912
	10	<b>EC94EB10</b>	692994	<b>EC94EC10</b>	692913
	13				
	16	<b>EC94EB16</b>	692995	<b>EC94EC16</b>	692914
	20	<b>EC94EB20</b>	692996	<b>EC94EC20</b>	692915
	25	<b>EC94EB25</b>	692997	<b>EC94EC25</b>	692916
	32	<b>EC94EB32</b>	692998	<b>EC94EC32</b>	692917
	40				
	50				
	63				











\* The auxiliary contact CAH, CAS/H must be placed only on the left side of the 3P MCBs



Miniature Circuit Breakers - Series E90 6kA - EN60898

6000	In (A)	Tripping characteristic B (3÷5)×In		Tripping characteristic C (5÷10)×In		Tripping characteristic D (10÷20)×In	
		Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.
<b>1P - 1 Module</b>							
	0,5			<b>E91C0.5</b>	552784	<b>E91D0.5</b>	552876
	1			<b>E91C01</b>	552785	<b>E91D01</b>	552877
	2			<b>E91C02</b>	552786	<b>E91D02</b>	552878
	3			<b>E91C03</b>	552787	<b>E91D03</b>	552879
	4			<b>E91C04</b>	552788	<b>E91D04</b>	552880
	6	<b>E91B06</b>	552697	<b>E91C06</b>	552789	<b>E91D06</b>	552881
	10	<b>E91B10</b>	552699	<b>E91C10</b>	552791	<b>E91D10</b>	552883
	13	<b>E91B13</b>	552700	<b>E91C13</b>	552792	<b>E91D13</b>	552884
	16	<b>E91B16</b>	552701	<b>E91C16</b>	552793	<b>E91D16</b>	552885
	20	<b>E91B20</b>	552702	<b>E91C20</b>	552794	<b>E91D20</b>	552886
	25	<b>E91B25</b>	552703	<b>E91C25</b>	552795	<b>E91D25</b>	552887
	32	<b>E91B32</b>	552704	<b>E91C32</b>	552796	<b>E91D32</b>	552888
	40	<b>E91B40</b>	552705	<b>E91C40</b>	552797	<b>E91D40</b>	552889
	50	<b>E91B50</b>	552706	<b>E91C50</b>	552798	<b>E91D50</b>	552890
63	<b>E91B63</b>	552707	<b>E91C63</b>	552799	<b>E91D63</b>	552891	
<b>1P + N - 2 Modules</b>							
	0,5			<b>E91C0.5N</b>	552803	<b>E91D0.5N</b>	552895
	1			<b>E91C01N</b>	552804	<b>E91D01N</b>	552896
	2			<b>E91C02N</b>	552805	<b>E91D02N</b>	552897
	3			<b>E91C03N</b>	552806	<b>E91D03N</b>	552898
	4			<b>E91C04N</b>	552807	<b>E91D04N</b>	552899
	6	<b>E91B06N</b>	552716	<b>E91C06N</b>	552808	<b>E91D06N</b>	552900
	10	<b>E91B10N</b>	552718	<b>E91C10N</b>	552810	<b>E91D10N</b>	552902
	13	<b>E91B13N</b>	552719	<b>E91C13N</b>	552811	<b>E91D13N</b>	552903
	16	<b>E91B16N</b>	552720	<b>E91C16N</b>	552812	<b>E91D16N</b>	552904
	20	<b>E91B20N</b>	552721	<b>E91C20N</b>	552813	<b>E91D20N</b>	552905
	25	<b>E91B25N</b>	552722	<b>E91C25N</b>	552814	<b>E91D25N</b>	552906
	32	<b>E91B32N</b>	552723	<b>E91C32N</b>	552815	<b>E91D32N</b>	552907
	40	<b>E91B40N</b>	552724	<b>E91C40N</b>	552816	<b>E91D40N</b>	552908
	50	<b>E91B50N</b>	552725	<b>E91C50N</b>	552817	<b>E91D50N</b>	552909
63	<b>E91B63N</b>	552726	<b>E91C63N</b>	552818	<b>E91D63N</b>	552910	
<b>2P - 2 Modules</b>							
	0,5			<b>E92C0.5</b>	552819	<b>E92D0.5</b>	552911
	1			<b>E92C01</b>	552820	<b>E92D01</b>	552912
	2			<b>E92C02</b>	552821	<b>E92D02</b>	552913
	3			<b>E92C03</b>	552822	<b>E92D03</b>	552914
	4			<b>E92C04</b>	552823	<b>E92D04</b>	552915
	6	<b>E92B06</b>	552732	<b>E92C06</b>	552824	<b>E92D06</b>	552916
	10	<b>E92B10</b>	552734	<b>E92C10</b>	552826	<b>E92D10</b>	552918
	13	<b>E92B13</b>	552735	<b>E92C13</b>	552827	<b>E92D13</b>	552919
	16	<b>E92B16</b>	552736	<b>E92C16</b>	552828	<b>E92D16</b>	552920
	20	<b>E92B20</b>	552737	<b>E92C20</b>	552829	<b>E92D20</b>	552921
	25	<b>E92B25</b>	552738	<b>E92C25</b>	552830	<b>E92D25</b>	552922
	32	<b>E92B32</b>	552739	<b>E92C32</b>	552831	<b>E92D32</b>	552923
	40	<b>E92B40</b>	552740	<b>E92C40</b>	552832	<b>E92D40</b>	552924
	50	<b>E92B50</b>	552741	<b>E92C50</b>	552833	<b>E92D50</b>	552925
63	<b>E92B63</b>	552742	<b>E92C63</b>	552834	<b>E92D63</b>	552926	
<b>3P - 3 Modules</b>							
	0,5			<b>E93C0.5</b>	552838	<b>E93D0.5</b>	552930
	1			<b>E93C01</b>	552839	<b>E93D01</b>	552931
	2			<b>E93C02</b>	552840	<b>E93D02</b>	552932
	3			<b>E93C03</b>	552841	<b>E93D03</b>	552933
	4			<b>E93C04</b>	552842	<b>E93D04</b>	552934
	6	<b>E93B06</b>	552751	<b>E93C06</b>	552843	<b>E93D06</b>	552935
	10	<b>E93B10</b>	552753	<b>E93C10</b>	552845	<b>E93D10</b>	552937
	13	<b>E93B13</b>	552754	<b>E93C13</b>	552846	<b>E93D13</b>	552938
	16	<b>E93B16</b>	552755	<b>E93C16</b>	552847	<b>E93D16</b>	552939
	20	<b>E93B20</b>	552756	<b>E93C20</b>	552848	<b>E93D20</b>	552940
	25	<b>E93B25</b>	552757	<b>E93C25</b>	552849	<b>E93D25</b>	552941
	32	<b>E93B32</b>	552758	<b>E93C32</b>	552850	<b>E93D32</b>	552942
	40	<b>E93B40</b>	552759	<b>E93C40</b>	552851	<b>E93D40</b>	552943
	50	<b>E93B50</b>	552760	<b>E93C50</b>	552852	<b>E93D50</b>	552944
63	<b>E93B63</b>	552761	<b>E93C63</b>	552853	<b>E93D63</b>	552945	
<b>4P - 4 Modules</b>							
	0,5			<b>E94C0.5</b>	552857		
	1			<b>E94C01</b>	552858		
	2			<b>E94C02</b>	552859	<b>E94D02</b>	552951
	3			<b>E94C03</b>	552860	<b>E94D03</b>	552952
	4			<b>E94C04</b>	552861	<b>E94D04</b>	552953
	6	<b>E94B06</b>	552770	<b>E94C06</b>	552862	<b>E94D06</b>	552954
	10	<b>E94B10</b>	552772	<b>E94C10</b>	552864	<b>E94D10</b>	552956
	13	<b>E94B13</b>	552773	<b>E94C13</b>	552865	<b>E94D13</b>	552957
	16	<b>E94B16</b>	552774	<b>E94C16</b>	552866	<b>E94D16</b>	552958
	20	<b>E94B20</b>	552775	<b>E94C20</b>	552867	<b>E94D20</b>	552959
	25	<b>E94B25</b>	552776	<b>E94C25</b>	552868	<b>E94D25</b>	552960
	32	<b>E94B32</b>	552777	<b>E94C32</b>	552869	<b>E94D32</b>	552961
	40	<b>E94B40</b>	552778	<b>E94C40</b>	552870	<b>E94D40</b>	552962
	50	<b>E94B50</b>	552779	<b>E94C50</b>	552871	<b>E94D50</b>	552963
63	<b>E94B63</b>	552780	<b>E94C63</b>	552872	<b>E94D63</b>	552964	









Compact Miniature Circuit Breakers - Series EC90 6kA - EN60898

6000	In (A)	Tripping characteristic B (3+5)×In		Tripping characteristic C (5+10)×In	
		Cat. No.	Ref. No.	Cat. No.	Ref. No.
<b>1P + N - 1 Module</b>					
 	0,5				
	1				
	2	<b>EC91B02NR</b>	692883	<b>EC91C02NR</b>	692865
	3				
	4	<b>EC91B04NR</b>	692884	<b>EC91C04NR</b>	692866
	6	<b>EC91B06NR</b>	692885	<b>EC91C06NR</b>	692867
	10	<b>EC91B10NR</b>	692886	<b>EC91C10NR</b>	692868
	13	<b>EC91B16NR</b>	692887	<b>EC91C16NR</b>	692869
	16	<b>EC91B20NR</b>	692888	<b>EC91C20NR</b>	692870
	20	<b>EC91B25NR</b>	692889	<b>EC91C25NR</b>	692871
	25	<b>EC91B32NR</b>	692890	<b>EC91C32NR</b>	692872
	32	<b>EC91B40NR</b>	692891	<b>EC91C40NR</b>	692873
	40				
	50				
63					
<b>1P + 1P - 1 Module</b>					
 	0,5				
	1				
	2	<b>EC911B02</b>	692581	<b>EC911C02</b>	692591
	3				
	4	<b>EC911B04</b>	692582	<b>EC911C04</b>	692592
	6	<b>EC911B06</b>	692583	<b>EC911C06</b>	692593
	10	<b>EC911B10</b>	692584	<b>EC911C10</b>	692594
	13	<b>EC911B13</b>	692585	<b>EC911C13</b>	692595
	16	<b>EC911B16</b>	692586	<b>EC911C16</b>	692596
	20	<b>EC911B20</b>	692587	<b>EC911C20</b>	692597
	25				
	32				
	40				
	50				
63					
<b>2P - 1 Module</b>					
 	0,5				
	1				
	2	<b>EC92B02</b>	693000	<b>EC92C02</b>	692919
	3				
	4	<b>EC92B04</b>	693001	<b>EC92C04</b>	692920
	6	<b>EC92B06</b>	693002	<b>EC92C06</b>	692921
	10	<b>EC92B10</b>	693003	<b>EC92C10</b>	692922
	13				
	16	<b>EC92B16</b>	693004	<b>EC92C16</b>	692923
	20	<b>EC92B20</b>	693005	<b>EC92C20</b>	692924
	25	<b>EC92B25</b>	693006	<b>EC92C25</b>	692925
	32	<b>EC92B32</b>	693007	<b>EC92C32</b>	692926
	40	<b>EC92B40</b>	693008	<b>EC92C40</b>	692927
	50				
63					
<b>3P - 2 Modules *</b>					
 	0,5				
	1				
	2	<b>EC93B02</b>	693009	<b>EC93C02</b>	692928
	3				
	4	<b>EC93B04</b>	693010	<b>EC93C04</b>	692929
	6	<b>EC93B06</b>	693011	<b>EC93C06</b>	692930
	10	<b>EC93B10</b>	693012	<b>EC93C10</b>	692931
	13				
	16	<b>EC93B16</b>	693013	<b>EC93C16</b>	692932
	20	<b>EC93B20</b>	693014	<b>EC93C20</b>	692933
	25	<b>EC93B25</b>	693015	<b>EC93C25</b>	692934
	32	<b>EC93B32</b>	693016	<b>EC93C32</b>	692935
	40				
	50				
63					
<b>4P - 2 Modules</b>					
 	0,5				
	1				
	2	<b>EC94B02</b>	693018	<b>EC94C02</b>	692937
	3				
	4	<b>EC94B04</b>	693019	<b>EC94C04</b>	692938
	6	<b>EC94B06</b>	693020	<b>EC94C06</b>	692939
	10	<b>EC94B10</b>	693021	<b>EC94C10</b>	692940
	13				
	16	<b>EC94B16</b>	693022	<b>EC94C16</b>	692941
	20	<b>EC94B20</b>	693023	<b>EC94C20</b>	692942
	25	<b>EC94B25</b>	693024	<b>EC94C25</b>	692943
	32	<b>EC94B32</b>	693025	<b>EC94C32</b>	692944
	40				
	50				
63					

Note: 2 unipolar MCBs with 2 operating levers all in 1 module













\* The auxiliary contact CAH, CAS/H must be placed only on the left side of the 3P MCBs

Miniature Circuit Breakers - Series E90S 10kA - EN60898









10000	In (A)	Tripping characteristic B (3÷5)×In		Tripping characteristic C (5÷10)×In		Tripping characteristic D (10÷20)×In	
		Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.
<b>1P - 1 Module</b>							
 	0,5			<b>E91SC0.5</b>	553044	<b>E91SD0.5</b>	553120
	1			<b>E91SC01</b>	553045	<b>E91SD01</b>	553121
	2			<b>E91SC02</b>	553046	<b>E91SD02</b>	553122
	3			<b>E91SC03</b>	553047	<b>E91SD03</b>	553123
	4			<b>E91SC04</b>	553048	<b>E91SD04</b>	553124
	6	<b>E91SB06</b>	552973	<b>E91SC06</b>	553049	<b>E91SD06</b>	553125
	10	<b>E91SB10</b>	552975	<b>E91SC10</b>	553051	<b>E91SD10</b>	553127
	13	<b>E91SB13</b>	552976	<b>E91SC13</b>	553052	<b>E91SD13</b>	553128
	16	<b>E91SB16</b>	552977	<b>E91SC16</b>	553053	<b>E91SD16</b>	553129
	20	<b>E91SB20</b>	552978	<b>E91SC20</b>	553054	<b>E91SD20</b>	553130
	25	<b>E91SB25</b>	552979	<b>E91SC25</b>	553055	<b>E91SD25</b>	553131
	32	<b>E91SB32</b>	552980	<b>E91SC32</b>	553056	<b>E91SD32</b>	553132
	40	<b>E91SB40</b>	552981	<b>E91SC40</b>	553057	<b>E91SD40</b>	553133
	50	<b>E91SB50</b>	552982	<b>E91SC50</b>	553058	<b>E91SD50</b>	553134
63	<b>E91SB63</b>	552983	<b>E91SC63</b>	553059	<b>E91SD63</b>	553135	
<b>2P - 2 Modules</b>							
 	0,5			<b>E92SC0.5</b>	553063	<b>E92SD0.5</b>	553139
	1			<b>E92SC01</b>	553064	<b>E92SD01</b>	553140
	2			<b>E92SC02</b>	553065	<b>E92SD02</b>	553141
	3			<b>E92SC03</b>	553066	<b>E92SD03</b>	553142
	4			<b>E92SC04</b>	553067	<b>E92SD04</b>	553143
	6	<b>E92SB06</b>	552992	<b>E92SC06</b>	553068	<b>E92SD06</b>	553144
	10	<b>E92SB10</b>	552994	<b>E92SC10</b>	553070	<b>E92SD10</b>	553146
	13	<b>E92SB13</b>	552995	<b>E92SC13</b>	553071	<b>E92SD13</b>	553147
	16	<b>E92SB16</b>	552996	<b>E92SC16</b>	553072	<b>E92SD16</b>	553148
	20	<b>E92SB20</b>	552997	<b>E92SC20</b>	553073	<b>E92SD20</b>	553149
	25	<b>E92SB25</b>	552998	<b>E92SC25</b>	553074	<b>E92SD25</b>	553150
	32	<b>E92SB32</b>	552999	<b>E92SC32</b>	553075	<b>E92SD32</b>	553151
	40	<b>E92SB40</b>	553000	<b>E92SC40</b>	553076	<b>E92SD40</b>	553152
	50	<b>E92SB50</b>	553001	<b>E92SC50</b>	553077	<b>E92SD50</b>	553153
63	<b>E92SB63</b>	553002	<b>E92SC63</b>	553078	<b>E92SD63</b>	553154	
<b>3P - 3 Modules</b>							
 	0,5			<b>E93SC0.5</b>	553082	<b>E93SD0.5</b>	553158
	1			<b>E93SC01</b>	553083	<b>E93SD01</b>	553159
	2			<b>E93SC02</b>	553084	<b>E93SD02</b>	553160
	3			<b>E93SC03</b>	553085	<b>E93SD03</b>	553161
	4			<b>E93SC04</b>	553086	<b>E93SD04</b>	553162
	6	<b>E93SB06</b>	553011	<b>E93SC06</b>	553087	<b>E93SD06</b>	553163
	10	<b>E93SB10</b>	553013	<b>E93SC10</b>	553089	<b>E93SD10</b>	553165
	13	<b>E93SB13</b>	553014	<b>E93SC13</b>	553090	<b>E93SD13</b>	553166
	16	<b>E93SB16</b>	553015	<b>E93SC16</b>	553091	<b>E93SD16</b>	553167
	20	<b>E93SB20</b>	553016	<b>E93SC20</b>	553092	<b>E93SD20</b>	553168
	25	<b>E93SB25</b>	553017	<b>E93SC25</b>	553093	<b>E93SD25</b>	553169
	32	<b>E93SB32</b>	553018	<b>E93SC32</b>	553094	<b>E93SD32</b>	553170
	40	<b>E93SB40</b>	553019	<b>E93SC40</b>	553095	<b>E93SD40</b>	553171
	50	<b>E93SB50</b>	553020	<b>E93SC50</b>	553096	<b>E93SD50</b>	553172
63	<b>E93SB63</b>	553021	<b>E93SC63</b>	553097	<b>E93SD63</b>	553173	
<b>4P - 4 Modules</b>							
 	0,5			<b>E94SC0.5</b>	553101	<b>E94SD0.5</b>	567146
	1			<b>E94SC01</b>	553102	<b>E94SD01</b>	553178
	2			<b>E94SC02</b>	553103	<b>E94SD02</b>	553179
	3			<b>E94SC03</b>	553104	<b>E94SD03</b>	553180
	4			<b>E94SC04</b>	553105	<b>E94SD04</b>	553181
	6	<b>E94SB06</b>	553030	<b>E94SC06</b>	553106	<b>E94SD06</b>	553182
	10	<b>E94SB10</b>	553032	<b>E94SC10</b>	553108	<b>E94SD10</b>	553184
	13	<b>E94SB13</b>	553033	<b>E94SC13</b>	553109	<b>E94SD13</b>	553185
	16	<b>E94SB16</b>	553034	<b>E94SC16</b>	553110	<b>E94SD16</b>	553186
	20	<b>E94SB20</b>	553035	<b>E94SC20</b>	553111	<b>E94SD20</b>	553187
	25	<b>E94SB25</b>	553036	<b>E94SC25</b>	553112	<b>E94SD25</b>	553188
	32	<b>E94SB32</b>	553037	<b>E94SC32</b>	553113	<b>E94SD32</b>	553189
	40	<b>E94SB40</b>	553038	<b>E94SC40</b>	553114	<b>E94SD40</b>	553190
	50	<b>E94SB50</b>	553039	<b>E94SC50</b>	553115	<b>E94SD50</b>	553191
63	<b>E94SB63</b>	553040	<b>E94SC63</b>	553116	<b>E94SD63</b>	553192	



Miniature Circuit Breakers - Series E90SUL 10kA - EN60898 UL approval (UL 1077)


10000	In (A)	Tripping characteristic B (3+5)xIn		Tripping characteristic C (5+10)xIn		Tripping characteristic D (10+20)xIn	
		Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.
<b>1P - 1 Module</b>							
  	0,5			E91SULC0.5	687280	E91SULD0.5	687356
	1			E91SULC01	687281	E91SULD01	687357
	2			E91SULC02	687282	E91SULD02	687358
	3			E91SULC03	687283	E91SULD03	687359
	4			E91SULC04	687284	E91SULD04	687360
	6	E91SULB06	687225	E91SULC06	687286	E91SULD06	687362
	10	E91SULB10	687226	E91SULC10	687287	E91SULD10	687363
	13	E91SULB13	687227	E91SULC13	687288	E91SULD13	687364
	16	E91SULB16	687229	E91SULC16	687290	E91SULD16	687366
	20	E91SULB20	687230	E91SULC20	687291	E91SULD20	687367
	25	E91SULB25	687231	E91SULC25	687292	E91SULD25	687368
	32	E91SULB32	687233	E91SULC32	687294	E91SULD32	687370
	40	E91SULB40	687234	E91SULC40	687295	E91SULD40	687371
	50	E91SULB50	687235	E91SULC50	687296	E91SULD50	687372
63	E91SULB63	687237	E91SULC63	687298	E91SULD63	687374	
<b>2P - 2 Modules</b>							
  	0,5			E92SULC0.5	687299	E92SULD0.5	687375
	1			E92SULC01	687300	E92SULD01	687376
	2			E92SULC02	687301	E92SULD02	687377
	3			E92SULC03	687302	E92SULD03	687378
	4			E92SULC04	687303	E92SULD04	687379
	6	E92SULB06	687239	E92SULC06	687305	E92SULD06	687381
	10	E92SULB10	687240	E92SULC10	687306	E92SULD10	687382
	13	E92SULB13	687241	E92SULC13	687307	E92SULD13	687383
	16	E92SULB16	687243	E92SULC16	687309	E92SULD16	687385
	20	E92SULB20	687244	E92SULC20	687310	E92SULD20	687386
	25	E92SULB25	687245	E92SULC25	687311	E92SULD25	687387
	32	E92SULB32	687247	E92SULC32	687313	E92SULD32	687389
	40	E92SULB40	687248	E92SULC40	687314	E92SULD40	687390
	50	E92SULB50	687249	E92SULC50	687315	E92SULD50	687391
63	E92SULB63	687251	E92SULC63	687317	E92SULD63	687393	
<b>3P - 3 Modules</b>							
  	0,5			E93SULC0.5	687318	E93SULD0.5	687394
	1			E93SULC01	687319	E93SULD01	687395
	2			E93SULC02	687320	E93SULD02	687396
	3			E93SULC03	687321	E93SULD03	687397
	4			E93SULC04	687322	E93SULD04	687398
	6	E93SULB06	687253	E93SULC06	687324	E93SULD06	687400
	10	E93SULB10	687254	E93SULC10	687325	E93SULD10	687401
	13	E93SULB13	687255	E93SULC13	687326	E93SULD13	687402
	16	E93SULB16	687257	E93SULC16	687328	E93SULD16	687404
	20	E93SULB20	687258	E93SULC20	687329	E93SULD20	687405
	25	E93SULB25	687259	E93SULC25	687330	E93SULD25	687406
	32	E93SULB32	687261	E93SULC32	687332	E93SULD32	687408
	40	E93SULB40	687262	E93SULC40	687333	E93SULD40	687409
	50	E93SULB50	687263	E93SULC50	687334	E93SULD50	687410
63	E93SULB63	687265	E93SULC63	687336	E93SULD63	687412	
<b>4P - 4 Modules</b>							
  	0,5			E94SULC0.5	687337	E94SULD0.5	687413
	1			E94SULC01	687338	E94SULD01	687414
	2			E94SULC02	687339	E94SULD02	687415
	3			E94SULC03	687340	E94SULD03	687416
	4			E94SULC04	687341	E94SULD04	687417
	6	E94SULB06	687267	E94SULC06	687343	E94SULD06	687419
	10	E94SULB10	687268	E94SULC10	687344	E94SULD10	687420
	13	E94SULB13	687269	E94SULC13	687345	E94SULD13	687421
	16	E94SULB16	687271	E94SULC16	687347	E94SULD16	687423
	20	E94SULB20	687272	E94SULC20	687348	E94SULD20	687424
	25	E94SULB25	687273	E94SULC25	687349	E94SULD25	687425
	32	E94SULB32	687275	E94SULC32	687351	E94SULD32	687427
	40	E94SULB40	687276	E94SULC40	687352	E94SULD40	687428
	50	E94SULB50	687277	E94SULC50	687353	E94SULD50	687429
63	E94SULB63	687279	E94SULC63	687355	E94SULD63	687431	

Miniature Circuit Breakers - Series E90X 15... 50kA - IEC947-2


15... 25kA	In (A)	Icu (kA)	Tripping characteristic B (3÷5)×In		Tripping characteristic C (5÷10)×In		Tripping characteristic D (10÷20)×In	
			Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.
<b>1P - 1 Module</b>								
 	0,5	50			E91XC0.5	553400	E91XD0.5	553464
	1	50			E91XC01	553401	E91XD01	553465
	2	50			E91XC02	553402	E91XD02	553466
	3	50			E91XC03	553403	E91XD03	553467
	4	50			E91XC04	553404	E91XD04	553468
	6	25	E91XB06	553341	E91XC06	553405	E91XD06	553469
	10	25	E91XB10	553343	E91XC10	553407	E91XD10	553471
	13	25	E91XB13	553344	E91XC13	553408	E91XD13	553472
	16	25	E91XB16	553345	E91XC16	553409	E91XD16	553473
	20	25	E91XB20	553346	E91XC20	553410	E91XD20	553474
	25	25	E91XB25	553347	E91XC25	553411	E91XD25	553475
	32	20	E91XB32	553348	E91XC32	553412	E91XD32	553476
	40	20	E91XB40	553349	E91XC40	553413	E91XD40	553477
	50	15	E91XB50	553350	E91XC50	553414	E91XD50	553478
	63	15	E91XB63	553351	E91XC63	553415	E91XD63	553479
	<b>2P - 2 Modules</b>							
 	0,5	50			E92XC0.5	553416	E92XD0.5	553480
	1	50			E92XC01	553417	E92XD01	553481
	2	50			E92XC02	553418	E92XD02	553482
	3	50			E92XC03	553419	E92XD03	553483
	4	50			E92XC04	553420	E92XD04	553484
	6	25	E92XB06	553357	E92XC06	553421	E92XD06	553485
	10	25	E92XB10	553359	E92XC10	553423	E92XD10	553487
	13	25	E92XB13	553360	E92XC13	553424	E92XD13	553488
	16	25	E92XB16	553361	E92XC16	553425	E92XD16	553489
	20	25	E92XB20	553362	E92XC20	553426	E92XD20	553490
	25	25	E92XB25	553363	E92XC25	553427	E92XD25	553491
	32	20	E92XB32	553364	E92XC32	553428	E92XD32	553492
	40	20	E92XB40	553365	E92XC40	553429	E92XD40	553493
	50	15	E92XB50	553366	E92XC50	553430	E92XD50	553494
	63	15	E92XB63	553367	E92XC63	553431	E92XD63	553495
	<b>3P - 3 Modules</b>							
 	0,5	50			E93XC0.5	553432	E93XD0.5	553496
	1	50			E93XC01	553433	E93XD01	553497
	2	50			E93XC02	553434	E93XD02	553498
	3	50			E93XC03	553435	E93XD03	553499
	4	50			E93XC04	553436	E93XD04	553500
	6	25	E93XB06	553373	E93XC06	553437	E93XD06	553501
	10	25	E93XB10	553375	E93XC10	553439	E93XD10	553503
	13	25	E93XB13	553376	E93XC13	553440	E93XD13	553504
	16	25	E93XB16	553377	E93XC16	553441	E93XD16	553505
	20	25	E93XB20	553378	E93XC20	553442	E93XD20	553506
	25	25	E93XB25	553379	E93XC25	553443	E93XD25	553507
	32	20	E93XB32	553380	E93XC32	553444	E93XD32	553508
	40	20	E93XB40	553381	E93XC40	553445	E93XD40	553509
	50	15	E93XB50	553382	E93XC50	553446	E93XD50	553510
	63	15	E93XB63	553383	E93XC63	553447	E93XD63	553511
	<b>4P - 4 Modules</b>							
 	0,5	50			E94XC0.5	553448	E94XD0.5	553512
	1	50			E94XC01	553449	E94XD01	553513
	2	50			E94XC02	553450	E94XD02	553514
	3	50			E94XC03	553451	E94XD03	553515
	4	50			E94XC04	553452	E94XD04	553516
	6	25	E94XB06	553389	E94XC06	553453	E94XD06	553517
	10	25	E94XB10	553391	E94XC10	553455	E94XD10	553519
	13	25	E94XB13	553392	E94XC13	553456	E94XD13	553520
	16	25	E94XB16	553393	E94XC16	553457	E94XD16	553521
	20	25	E94XB20	553394	E94XC20	553458	E94XD20	553522
	25	25	E94XB25	553395	E94XC25	553459	E94XD25	553523
	32	20	E94XB32	553396	E94XC32	553460	E94XD32	553524
	40	20	E94XB40	553397	E94XC40	553461	E94XD40	553525
	50	15	E94XB50	553398	E94XC50	553462	E94XD50	553526
	63	15	E94XB63	553399	E94XC63	553463	E94XD63	553527

Miniature Circuit Breakers - Series E90SUC 6kA - EN60898


(for universal current)

6000	In (A)	Ue (V DC)	Umax (V)	Tripping characteristic B (3÷5)×In		Tripping characteristic C (5÷10)×In	
				Cat. No.	Ref. No.	Cat. No.	Ref. No.
<b>1P - 1 Module</b>							
	0,5	250				E91SUCC0,5	553304
	1	250				E91SUCC01	553305
	2	250				E91SUCC02	553306
	3	250				E91SUCC03	553307
	4	250				E91SUCC04	553308
	6	250		E91SUCB06	553271	E91SUCC06	553309
	10	250		E91SUCB10	553273	E91SUCC10	553311
	13	250		E91SUCB13	553274	E91SUCC13	553312
	16	250		E91SUCB16	553275	E91SUCC16	553313
	20	250		E91SUCB20	553276	E91SUCC20	553314
	25	250		E91SUCB25	553277	E91SUCC25	553315
	32	250		E91SUCB32	553278	E91SUCC32	553316
	40	250		E91SUCB40	553279	E91SUCC40	553317
	50	250		E91SUCB50	553280	E91SUCC50	553318
63	250		E91SUCB63	553281	E91SUCC63	553319	

Isolator application according to EN 60947-2

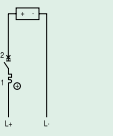
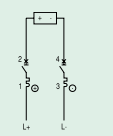
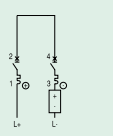
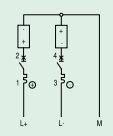
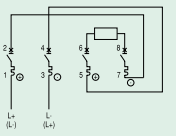
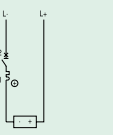
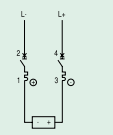
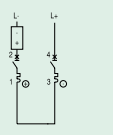
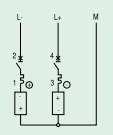
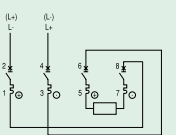
<b>2P - 2 Modules</b>							
	0,5	250 - 440	500			E92SUCC0,5	553320
	1	250 - 440	500			E92SUCC01	553321
	2	250 - 440	500			E92SUCC02	553322
	3	250 - 440	500			E92SUCC03	553323
	4	250 - 440	500			E92SUCC04	553324
	6	250 - 440	500	E92SUCB06	553290	E92SUCC06	553325
	10	250 - 440	500	E92SUCB10	553292	E92SUCC10	553327
	13	250 - 440	500	E92SUCB13	553293	E92SUCC13	553328
	16	250 - 440	500	E92SUCB16	553294	E92SUCC16	553329
	20	250 - 440	500	E92SUCB20	553295	E92SUCC20	553330
	25	250 - 440	500	E92SUCB25	553296	E92SUCC25	553331
	32	250 - 440	500	E92SUCB32	553297	E92SUCC32	553332
	40	250 - 440	500	E92SUCB40	553298	E92SUCC40	553333
	50	250 - 440	500	E92SUCB50	553299	E92SUCC50	553334
63	250 - 440	500	E92SUCB63	553300	E92SUCC63	553335	

Isolator application according to EN 60947-2

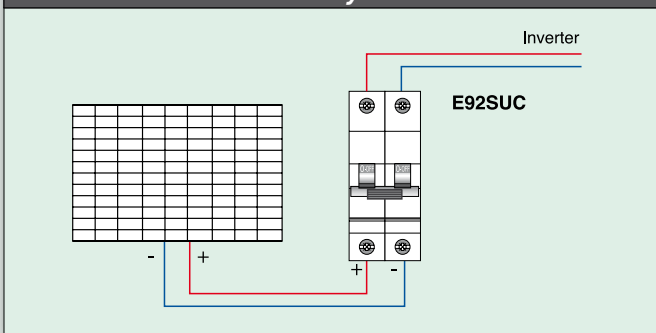
<b>4P - 4,5 Modules</b>							
	10	440 - 880	1000	E94SUCB10	691213		
	13	440 - 880	1000				
	16	440 - 880	1000	E94SUCB16	691214		
	20	440 - 880	1000	E94SUCB20	691215		
	25	440 - 880	1000				
	32	440 - 880	1000				
	40	440 - 880	1000	E94SUCB40	691216		
	63	440 - 880	1000	E94SUCB63	691217		

Isolator application according to EN 60947-2

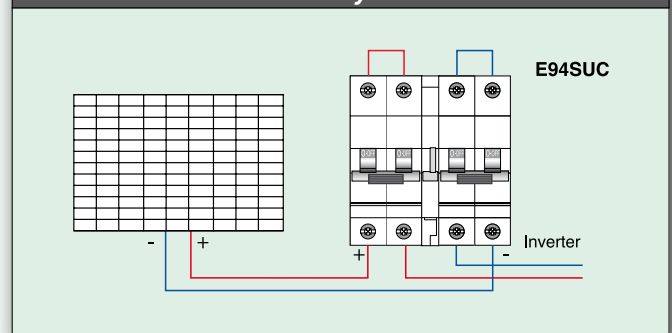
Electrical drawings - Series E90SUC









	E91SUC 1P	E92SUC 2P		E94SUC 4P	
Maximum voltage between the poles	250V ==	250V ==	440V ==	440V ==	440V == max 6kA 880V == max 6kA poles inversion
Maximum voltage between poles and ground	250V ==	250V ==	440V ==	440V ==	250V ==
Supply from lower terminals					
Supply from upper terminals					

Photovoltaic - Insulated system Ue=500V



Photovoltaic - Insulated system Ue=1000V





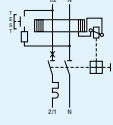


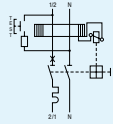


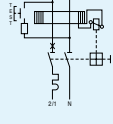
Interruttori automatici magnetotermici - Serie E880S 10kA - IEC947-2							
10kA	In (A)	Tripping characteristic B (3+5)xIn		Tripping characteristic C (5+10)xIn		Tripping characteristic D (10+20)xIn	
		Cat. No.	Ref. No.	Cat. No.	Ref. No.	Cat. No.	Ref. No.
<b>1 Polo - 1,5 Modulo</b>							
 	80	<b>E881SB080</b>	676636	<b>E881SC080</b>	676648	<b>E881SD080</b>	676660
	100	<b>E881SB100</b>	676637	<b>E881SC100</b>	676649	<b>E881SD100</b>	676661
	125	<b>E881SB125</b>	676638	<b>E881SC125</b>	676650	<b>E881SD125</b>	676662
<b>2 Poli - 3 Moduli</b>							
 	80	<b>E882SB080</b>	676639	<b>E882SC080</b>	676651	<b>E882SD080</b>	676663
	100	<b>E882SB100</b>	676640	<b>E882SC100</b>	676652	<b>E882SD100</b>	676664
	125	<b>E882SB125</b>	676641	<b>E882SC125</b>	676653	<b>E882SD125</b>	676665
<b>3 Poli - 4,5 Moduli</b>							
 	80	<b>E883SB080</b>	676642	<b>E883SC080</b>	676654	<b>E883SD080</b>	676666
	100	<b>E883SB100</b>	676643	<b>E883SC100</b>	676655	<b>E883SD100</b>	676667
	125	<b>E883SB125</b>	676644	<b>E883SC125</b>	676656	<b>E883SD125</b>	676668
<b>4 Poli - 6 Moduli</b>							
 	80	<b>E884SB080</b>	676645	<b>E884SC080</b>	676657	<b>E884SD080</b>	676669
	100	<b>E884SB100</b>	676646	<b>E884SC100</b>	676658	<b>E884SD100</b>	676670
	125	<b>E884SB125</b>	676647	<b>E884SC125</b>	676659	<b>E884SD125</b>	676671

**Note**

The form consists of a large grid area for notes. It is bounded by a dark grey header bar at the top, a light green sub-header bar below it, and a main white grid area with thin grey lines. The grid is approximately 30 columns wide and 40 rows high.











Residual Current Circuit Breakers with overcurrent protection - Series D90E, D90, HD90


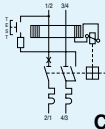


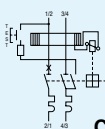

	Catalogue number	In (A)	Number of poles	Number of modules	I <sub>Δn</sub> (mA)	Reference number		
<b>Series D90E 4,5kA - C Characteristic - Type AC</b>								
 <p><b>4500</b></p> <p>AC </p> 	D90EC06/010	6	1P + N	2	10	604930		
	D90EC10/010	10	1P + N	2	10	604931		
	D90EC16/010	16	1P + N	2	10	604932		
	D90EC20/010	20	1P + N	2	10	604933		
	D90EC06/030	6	1P + N	2	30	604934		
	D90EC10/030	10	1P + N	2	30	604935		
	D90EC16/030	16	1P + N	2	30	604936		
	D90EC20/030	20	1P + N	2	30	604937		
	D90EC25/030	25	1P + N	2	30	604938		
	D90EC32/030	32	1P + N	2	30	604939		
	D90EC40/030	40	1P + N	2	30	604940		
	<b>Series D90 6kA - C Characteristic - Type AC</b>							
	 <p><b>6000</b></p> <p>AC </p> 	D90C04/010	4	1P + N	2	10	604671	
		D90C06/010	6	1P + N	2	10	604672	
D90C10/010		10	1P + N	2	10	604673		
D90C13/010		13	1P + N	2	10	604674		
D90C16/010		16	1P + N	2	10	604675		
D90C20/010		20	1P + N	2	10	604676		
D90C04/030		4	1P + N	2	30	604677		
D90C06/030		6	1P + N	2	30	604678		
D90C10/030		10	1P + N	2	30	604679		
D90C13/030		13	1P + N	2	30	604680		
D90C16/030		16	1P + N	2	30	604681		
D90C20/030		20	1P + N	2	30	604682		
D90C25/030		25	1P + N	2	30	604683		
D90C32/030		32	1P + N	2	30	604684		
D90C40/030		40	1P + N	2	30	604685		
Also available in B Characteristic								
D90C04/300		4	1P + N	2	300	604695		
D90C06/300		6	1P + N	2	300	604696		
D90C10/300		10	1P + N	2	300	604697		
D90C13/300		13	1P + N	2	300	604698		
D90C16/300		16	1P + N	2	300	604699		
D90C20/300		20	1P + N	2	300	604700		
D90C25/300		25	1P + N	2	300	604701		
D90C32/300		32	1P + N	2	300	604702		
D90C40/300		40	1P + N	2	300	604703		
<b>Series HD90 6kA - C Characteristic - Type A</b>								
 <p><b>6000</b></p> <p>A </p> 	HD90C04/010	4	1P + N	2	10	604609		
	HD90C06/010	6	1P + N	2	10	604610		
	HD90C10/010	10	1P + N	2	10	604611		
	HD90C13/010	13	1P + N	2	10	604612		
	HD90C16/010	16	1P + N	2	10	604613		
	HD90C20/010	20	1P + N	2	10	604614		
	HD90C04/030	4	1P + N	2	30	604615		
	HD90C06/030	6	1P + N	2	30	604616		
	HD90C10/030	10	1P + N	2	30	604617		
	HD90C13/030	13	1P + N	2	30	604618		
	HD90C16/030	16	1P + N	2	30	604619		
	HD90C20/030	20	1P + N	2	30	604620		
	HD90C25/030	25	1P + N	2	30	604621		
	HD90C32/030	32	1P + N	2	30	604622		
	HD90C40/030	40	1P + N	2	30	604623		
	Also available in B Characteristic							
	HD90C04/300	4	1P + N	2	300	604633		
	HD90C06/300	6	1P + N	2	300	604634		
	HD90C10/300	10	1P + N	2	300	604635		
	HD90C13/300	13	1P + N	2	300	604636		
	HD90C16/300	16	1P + N	2	300	604637		
	HD90C20/300	20	1P + N	2	300	604638		
	HD90C25/300	25	1P + N	2	300	604639		
	HD90C32/300	32	1P + N	2	300	604640		
	HD90C40/300	40	1P + N	2	300	604641		




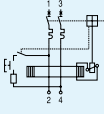


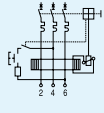


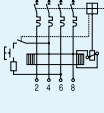


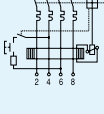


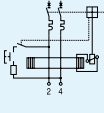


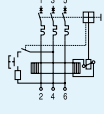


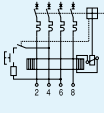


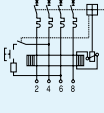

Compact 2P Residual Current Circuit Breakers with overcurrent protection

	In (A)	I $\Delta$ n (A)	Number of poles	Number of modules	Imballo unitario	Catalogue number	Reference number
<b>Series DC90EC 4,5kA - C Characteristic - Type AC</b>							
 <p><b>4500</b></p> <p>AC </p> <p>C Characteristic</p>	6	30	2	2	1	DC90EC06/030	607896
	10	30	2	2	1	DC90EC10/030	607897
	13	30	2	2	1	DC90EC13/030	607898
	16	30	2	2	1	DC90EC16/030	607899
	20	30	2	2	1	DC90EC20/030	607900
	25	30	2	2	1	DC90EC25/030	607901
	32	30	2	2	1	DC90EC32/030	607902
	40	30	2	2	1	DC90EC40/030	607903
	6	300	2	2	1	DC90EC06/300	607904
	10	300	2	2	1	DC90EC10/300	607905
	13	300	2	2	1	DC90EC13/300	607906
	16	300	2	2	1	DC90EC16/300	607907
	20	300	2	2	1	DC90EC20/300	607908
	25	300	2	2	1	DC90EC25/300	607909
	32	300	2	2	1	DC90EC32/300	607910
	40	300	2	2	1	DC90EC40/300	607911
	<b>Series HDC90EC 4,5kA - C Characteristic - Type A</b>						
 <p><b>4500</b></p> <p>A </p> <p>C Characteristic</p>	6	30	2	2	1	HDC90EC06/030	607880
	10	30	2	2	1	HDC90EC10/030	607881
	13	30	2	2	1	HDC90EC13/030	607882
	16	30	2	2	1	HDC90EC16/030	607883
	20	30	2	2	1	HDC90EC20/030	607884
	25	30	2	2	1	HDC90EC25/030	607885
	32	30	2	2	1	HDC90EC32/030	607886
	40	30	2	2	1	HDC90EC40/030	607887
	6	300	2	2	1	HDC90EC06/300	607888
	10	300	2	2	1	HDC90EC10/300	607889
	13	300	2	2	1	HDC90EC13/300	607890
	16	300	2	2	1	HDC90EC16/300	607891
	20	300	2	2	1	HDC90EC20/300	607892
	25	300	2	2	1	HDC90EC25/300	607893
	32	300	2	2	1	HDC90EC32/300	607894
	40	300	2	2	1	HDC90EC40/300	607895
	<b>Series DC90C 6kA - C Characteristic - Type AC (also available in B Characteristic)</b>						
 <p><b>6000</b></p> <p>AC </p> <p>C Characteristic</p>	10	10	2	2	1	DC90C10/010	608220
	13	10	2	2	1	DC90C13/010	608221
	16	10	2	2	1	DC90C16/010	608222
	6	30	2	2	1	DC90C06/030	608223
	10	30	2	2	1	DC90C10/030	608224
	13	30	2	2	1	DC90C13/030	608225
	16	30	2	2	1	DC90C16/030	608226
	20	30	2	2	1	DC90C20/030	608227
	25	30	2	2	1	DC90C25/030	608228
	32	30	2	2	1	DC90C32/030	608229
	40	30	2	2	1	DC90C40/030	608230
	6	300	2	2	1	DC90C06/300	608231
	10	300	2	2	1	DC90C10/300	608232
	13	300	2	2	1	DC90C13/300	608233
	16	300	2	2	1	DC90C16/300	608234
	20	300	2	2	1	DC90C20/300	608235
	25	300	2	2	1	DC90C25/300	608236
32	300	2	2	1	DC90C32/300	608237	
40	300	2	2	1	DC90C40/300	608238	
<b>Series HDC90C 6kA - Caratteristica C - Type A (also available in B Characteristic)</b>							
 <p><b>6000</b></p> <p>A </p> <p>C Characteristic</p>	10	10	2	2	1	HDC90C10/010	607931
	13	10	2	2	1	HDC90C13/010	607932
	16	10	2	2	1	HDC90C16/010	607933
	6	30	2	2	1	HDC90C06/030	607934
	10	30	2	2	1	HDC90C10/030	607935
	13	30	2	2	1	HDC90C13/030	607936
	16	30	2	2	1	HDC90C16/030	608188
	20	30	2	2	1	HDC90C20/030	608189
	25	30	2	2	1	HDC90C25/030	608190
	32	30	2	2	1	HDC90C32/030	608191
	40	30	2	2	1	HDC90C40/030	608192
	6	300	2	2	1	HDC90C06/300	608193
	10	300	2	2	1	HDC90C10/300	608194
	13	300	2	2	1	HDC90C13/300	608195
	16	300	2	2	1	HDC90C16/300	608196
	20	300	2	2	1	HDC90C20/300	608197
	25	300	2	2	1	HDC90C25/300	608198
32	300	2	2	1	HDC90C32/300	608199	
40	300	2	2	1	HDC90C40/300	608200	

**Compact 2P Residual Current Circuit Breakers with overcurrent protection 10kA**




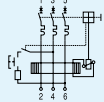


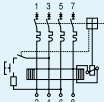




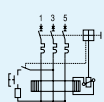


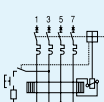

	In (A)	I $\Delta$ n (A)	Number of poles	Number of modules	Imballo unitario	Catalogue number	Reference number
<b>Series DC90SC 10kA - C Characteristic - Type AC (also available in B Characteristic)</b>							
  <b>10000</b> AC  C Characteristic	10	10	2	2	1	DC90SC10/010	606478
	13	10	2	2	1	DC90SC13/010	606479
	16	10	2	2	1	DC90SC16/010	606480
	6	30	2	2	1	DC90SC06/030	606481
	10	30	2	2	1	DC90SC10/030	606482
	13	30	2	2	1	DC90SC13/030	606483
	16	30	2	2	1	DC90SC16/030	606484
	20	30	2	2	1	DC90SC20/030	606485
	25	30	2	2	1	DC90SC25/030	606486
	32	30	2	2	1	DC90SC32/030	606487
	40	30	2	2	1	DC90SC40/030	606488
	6	300	2	2	1	DC90SC06/300	606489
	10	300	2	2	1	DC90SC10/300	606490
	13	300	2	2	1	DC90SC13/300	606491
	16	300	2	2	1	DC90SC16/300	606492
	20	300	2	2	1	DC90SC20/300	606493
	25	300	2	2	1	DC90SC25/300	606494
	32	300	2	2	1	DC90SC32/300	606495
	40	300	2	2	1	DC90SC40/300	606496
<b>Series HDC90SC 10kA - C Characteristic - Type A (also available in B Characteristic)</b>							
  <b>10000</b> A  C Characteristic	10	10	2	2	1	HDC90SC10/010	608262
	13	10	2	2	1	HDC90SC13/010	608263
	16	10	2	2	1	HDC90SC16/010	608264
	6	30	2	2	1	HDC90SC06/030	608265
	10	30	2	2	1	HDC90SC10/030	608266
	13	30	2	2	1	HDC90SC13/030	606441
	16	30	2	2	1	HDC90SC16/030	606442
	20	30	2	2	1	HDC90SC20/030	606443
	25	30	2	2	1	HDC90SC25/030	606448
	32	30	2	2	1	HDC90SC32/030	606449
	40	30	2	2	1	HDC90SC40/030	606450
	6	300	2	2	1	HDC90SC06/300	606451
	10	300	2	2	1	HDC90SC10/300	606452
	13	300	2	2	1	HDC90SC13/300	606453
	16	300	2	2	1	HDC90SC16/300	606454
	20	300	2	2	1	HDC90SC20/300	606455
	25	300	2	2	1	HDC90SC25/300	606456
	32	300	2	2	1	HDC90SC32/300	606457
	40	300	2	2	1	HDC90SC40/300	606458

Add-on Residual Current Circuit Breakers for Series E90 - Series D9, HD9



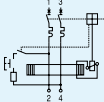



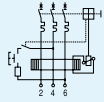



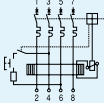

	Catalogue number	In (A)	I $\Delta$ n (mA)	Number of poles	Number of modules	Reference number	
<b>Series D9 - Type AC</b>							
<b>AC</b>   	D9232/030	32	30	2	2	604848	
	D9263/030	63	30	2	2	604853	
	D9232/300	32	300	2	2	604850	
	D9263/300	63	300	2	2	604855	
	D9232/500	32	500	2	2	604851	
	D9263/500	63	500	2	2	604856	
<b>AC</b>   	D9363/030	63	30	3	4	604881	
	D9363/300	63	300	3	4	604883	
	D9363/500	63	500	3	4	604884	
<b>AC</b>   	D9532/030	32	30	4	2	604895	
	D9532/300	32	300	4	2	604897	
	D9532/500	32	500	4	2	604898	
<b>AC</b>   	D9432/030	32	30	4	4	604918	
	D9463/030	63	30	4	4	604923	
	D9432/300	32	300	4	4	604920	
	D9463/300	63	300	4	4	604925	
	D9432/500	32	500	4	4	604921	
	D9463/500	63	500	4	4	604926	
<b>Series HD9 - Type A</b>							
<b>A</b>   	HD9232/030	32	30	2	2	604830	
	HD9263/030	63	30	2	2	604835	
	HD9232/300	32	300	2	2	604832	
	HD9263/300	63	300	2	2	604837	
	HD9232/500	32	500	2	2	604833	
	HD9263/500	63	500	2	2	604838	
<b>A</b>   	HD9363/030	63	30	3	4	604863	
	HD9363/300	63	300	3	4	604865	
	HD9363/500	63	500	3	4	604866	
<b>A</b>   	HD9532/030	32	30	4	2	604886	
	HD9532/300	32	300	4	2	604888	
	HD9532/500	32	500	4	2	604889	
<b>A</b>   	HD9432/030	32	30	4	4	604900	
	HD9463/030	63	30	4	4	604909	
	HD9432/300	32	300	4	4	604902	
	HD9463/300	63	300	4	4	604911	
	HD9432/500	32	500	4	4	604903	
	HD9463/500	63	500	4	4	604912	



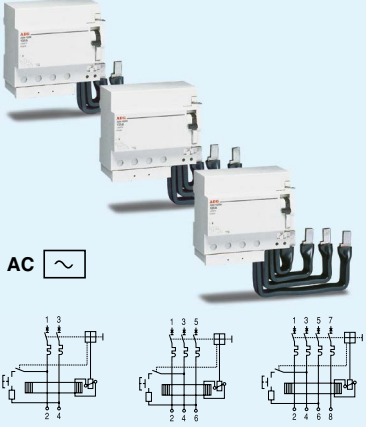

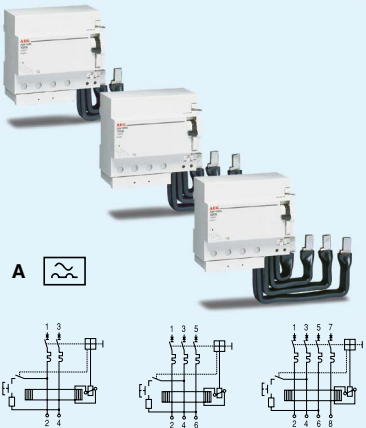

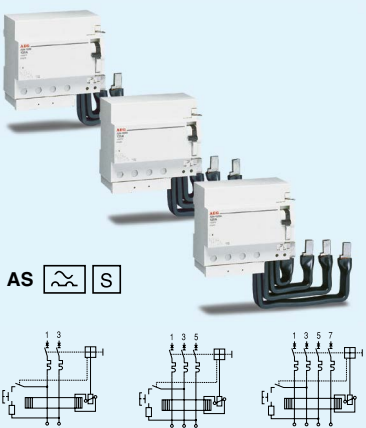


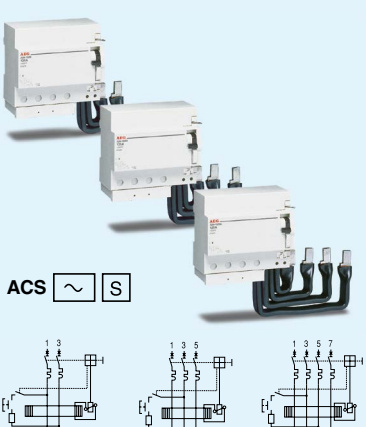


Add-on Residual Current Circuit Breakers for Series E90 - Series HDS9, HD9i - High immunity and Selective

	Catalogue number	In (A)	I <sub>Δn</sub> (mA)	Number of poles	Number of modules	Reference number	
<b>Series HD9i - Type Ai - High immunity</b>							
<b>Ai</b>  High immunity  	<b>HD9232/030I</b>	32	30	2	2	605126	
	<b>HD9263/030I</b>	63	30	2	2	605127	
<b>Ai</b>  High immunity  	<b>HD9363/030I</b>	63	30	3	4	605128	
	<b>HD9532/030I</b>	32	30	4	2	605128	
<b>Ai</b>  High immunity  	<b>HD9432/030I</b>	32	30	4	4	605129	
	<b>HD9463/030I</b>	63	30	4	4	605130	
<b>Series HDS9i - Type ASi - High immunity and selective</b>							
<b>ASi</b>  High immunity  	<b>HDS9263/300I</b>	63	300	2	2	665977	
	<b>HDS9263/1000I</b>	63	1000	2	2	665978	
<b>ASi</b>  High immunity  	<b>HDS9363/300I</b>	63	300	3	3	665980	
	<b>HDS9463/300I</b>	63	300	4	4	665983	
<b>ASi</b>  High immunity  	<b>HDS9463/1000I</b>	63	1000	4	4	665984	


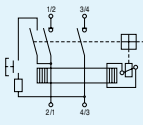


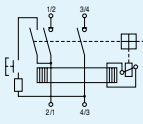


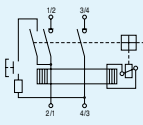


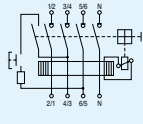

Add-on Residual Current Circuit Breakers for Series E90 - Series HDS9 - Selective

		Catalogue number	In (A)	I $\Delta$ n (mA)	Number of poles	Number of modules	Reference number
<b>Series HDS9 - Type AS - Selective</b>							
<b>AS</b>    	<b>HDS9263/300</b>	63	300	2	2	604845	
	<b>HDS9263/500</b>	63	500	2	2	604846	
	<b>HDS9263/1000</b>	63	1000	2	2	604847	
<b>AS</b>    	<b>HDS9363/300</b>	63	300	3	4	604873	
	<b>HDS9363/500</b>	63	500	3	4	604874	
	<b>HDS9363/1000</b>	63	1000	3	4	604875	
<b>AS</b>    	<b>HDS9463/300</b>	63	300	4	4	604915	
	<b>HDS9463/500</b>	63	500	4	4	604916	
	<b>HDS9463/1000</b>	63	1000	4	4	604917	


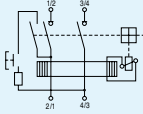


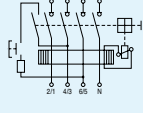


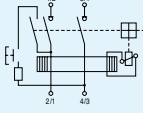


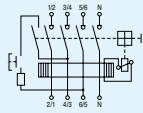

Add-on Residual Current Circuit Breakers for Series E880

	Catalogue number	In (A)	I $\Delta$ n (mA)	Number of poles	Number of modules	Reference number		
<b>Series D9 - Type AC</b>								
 <p>AC </p>	<b>D92125/030</b>	125	30	2	6	676676		
	<b>D92125/300</b>	125	300	2	6	676678		
	<b>D93125/030</b>	125	30	3	6	676682		
	<b>D93125/300</b>	125	300	3	6	676684		
	<b>D94125/030</b>	125	30	4	6	676690		
	<b>D94125/300</b>	125	300	4	6	676692		
<b>Series HD9 - Type A</b>								
 <p>A </p>	<b>HD92125/030</b>	125	30	2	6	676675		
	<b>HD92125/300</b>	125	300	2	6	676677		
	<b>HD93125/030</b>	125	30	3	6	676681		
	<b>HD93125/300</b>	125	300	3	6	676683		
	<b>HD94125/030</b>	125	30	4	6	676689		
	<b>HD94125/300</b>	125	300	4	6	676691		
<b>Series HDS9 - Type AS - Selective</b>								
 <p>AS  </p>	<b>HDS92125/300</b>	125	300	2	6	676679		
	<b>HDS93125/300</b>	125	300	3	6	676685		
	<b>HDS93125/1000</b>	125	1000	3	6	676687		
	<b>HDS94125/300</b>	125	300	4	6	676693		
	<b>HDS94125/1000</b>	125	1000	4	6	676695		
<b>Series DS9 - Type ACS - Selective</b>								
 <p>ACS  </p>	<b>DS92125/300</b>	125	300	2	6	676680		
	<b>DS93125/300</b>	125	300	3	6	676686		
	<b>DS93125/1000</b>	125	1000	3	6	676688		
	<b>DS94125/300</b>	125	300	4	6	676694		
	<b>DS94125/1000</b>	125	1000	4	6	676696		

Residual Current Circuit Breakers - Series BFI, EFI, BHFI


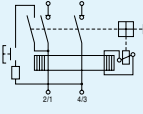



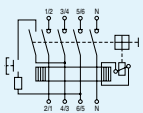



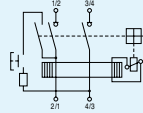



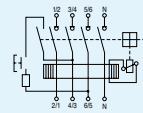


	Catalogue number	In (A)	I <sub>Δn</sub> (mA)	Number of poles	Number of modules	Reference number	
<b>Series BFI - Type AC</b>							
  <p>AC </p>	<b>BFI25/030-2</b>	25	30	2	2	607112	
	<b>BFI40/030-2</b>	40	30	2	2	607113	
Nota: normalmente impiegati nei centralini; non accessoriabili							
<b>Series BHFI - Type A</b>							
  <p>A </p>	<b>BHFI25/030-2</b>	25	30	2	2	684151	
	<b>BHFI40/030-2</b>	40	30	2	2	684158	
Nota: normalmente impiegati nei centralini; non accessoriabili							
<b>Series EFI - Type AC</b>							
  <p>AC </p>	<b>EFI16/010-2</b>	16	10	2	2	604446	
	<b>EFI25/030-2</b>	25	30	2	2	604447	
	<b>EFI40/030-2</b>	40	30	2	2	604448	
	<b>EFI63/030-2</b>	63	30	2	2	604449	
	<b>EFI80/030-2</b>	80	30	2	2	604450	
	<b>EFI100/030-2</b>	100	30	2	2	604451	
	<b>EFI25/300-2</b>	25	300	2	2	604463	
	<b>EFI40/300-2</b>	40	300	2	2	604464	
	<b>EFI63/300-2</b>	63	300	2	2	604465	
	<b>EFI80/300-2</b>	80	300	2	2	604466	
	<b>EFI100/300-2</b>	100	300	2	2	604467	
	<b>EFI25/500-2</b>	25	500	2	2	604468	
	<b>EFI40/500-2</b>	40	500	2	2	604469	
	<b>EFI63/500-2</b>	63	500	2	2	604470	
<b>EFI80/500-2</b>	80	500	2	2	604471		
<b>EFI100/500-2</b>	100	500	2	2	604472		
  <p>AC </p>	<b>EFI25/030-4</b>	25	30	4	4	604523	
	<b>EFI40/030-4</b>	40	30	4	4	604524	
	<b>EFI63/030-4</b>	63	30	4	4	604525	
	<b>EFI80/030-4</b>	80	30	4	4	604526	
	<b>EFI100/030-4</b>	100	30	4	4	604527	
	<b>EFI25/300-4</b>	25	300	4	4	604539	
	<b>EFI40/300-4</b>	40	300	4	4	604540	
	<b>EFI63/300-4</b>	63	300	4	4	604541	
	<b>EFI80/300-4</b>	80	300	4	4	604542	
	<b>EFI100/300-4</b>	100	300	4	4	604543	
	<b>EFI25/500-4</b>	25	500	4	4	604544	
	<b>EFI40/500-4</b>	40	500	4	4	604545	
	<b>EFI63/500-4</b>	63	500	4	4	604546	
	<b>EFI80/500-4</b>	80	500	4	4	604547	
	<b>EFI100/500-4</b>	100	500	4	4	604548	


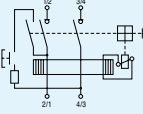



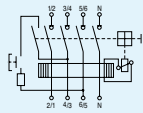



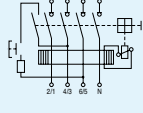




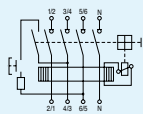




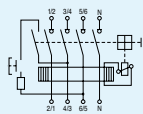




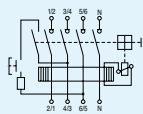



Residual Current Circuit Breakers - Series EHFI, EHFli

	Catalogue number	In (A)	IΔn (mA)	Number of poles	Number of modules	Reference number	
<b>Series EHFI - Type A</b>							
  <p><b>A</b> </p>	EHFI16/010-2	16	10	2	2	604941	
	EHFI25/030-2	25	30	2	2	604942	
	EHFI40/030-2	40	30	2	2	604943	
	EHFI63/030-2	63	30	2	2	604944	
	EHFI80/030-2	80	30	2	2	604945	
	EHFI100/030-2	100	30	2	2	604946	
	EHFI25/300-2	25	300	2	2	604416	
	EHFI40/300-2	40	300	2	2	604417	
	EHFI63/300-2	63	300	2	2	604418	
	EHFI80/300-2	80	300	2	2	604419	
	EHFI100/300-2	100	300	2	2	604420	
	EHFI25/500-2	25	500	2	2	604426	
	EHFI40/500-2	40	500	2	2	604427	
	EHFI63/500-2	63	500	2	2	604428	
	EHFI80/500-2	80	500	2	2	604429	
EHFI100/500-2	100	500	2	2	604430		
  <p><b>A</b> </p>	EHFI25/030-4	25	30	4	4	604478	
	EHFI40/030-4	40	30	4	4	604479	
	EHFI63/030-4	63	30	4	4	604480	
	EHFI80/030-4	80	30	4	4	604481	
	EHFI100/030-4	100	30	4	4	604482	
	EHFI25/300-4	25	300	4	4	604493	
	EHFI40/300-4	40	300	4	4	604494	
	EHFI63/300-4	63	300	4	4	604495	
	EHFI80/300-4	80	300	4	4	604496	
	EHFI100/300-4	100	300	4	4	604497	
	EHFI25/500-4	25	500	4	4	604503	
	EHFI40/500-4	40	500	4	4	604504	
	EHFI63/500-4	63	500	4	4	604505	
	EHFI80/500-4	80	500	4	4	604506	
	EHFI100/500-4	100	500	4	4	604507	
<b>Series EHFI - Type Ai - High immunity</b>							
  <p><b>Ai</b> </p> <p>Antiperturbazione</p>	EHFI25/030-2i	25	30	2	2	605120	
	EHFI40/030-2i	40	30	2	2	605121	
	EHFI63/030-2i	63	30	2	2	605122	
  <p><b>Ai</b> </p> <p>Antiperturbazione</p>	EHFI25/030-4i	25	30	4	4	605123	
	EHFI40/030-4i	40	30	4	4	605124	
	EHFI63/030-4i	63	30	4	4	605125	




Residual Current Circuit Breakers - Series ESHFI, ESHFIi, EHBFI



	Catalogue number	In (A)	IΔn (mA)	Number of poles	Number of modules	Reference number	
<b>Series ESHFI - Type AS - Selective</b>							
  <p><b>AS</b>  </p>	ESHFI25/300-2	25	300	2	2	604421	
	ESHFI40/300-2	40	300	2	2	604422	
	ESHFI63/300-2	63	300	2	2	604423	
	ESHFI80/300-2	80	300	2	2	604424	
	ESHFI100/300-2	100	300	2	2	604425	
	ESHFI25/500-2	25	500	2	2	604431	
	ESHFI40/500-2	40	500	2	2	604432	
	ESHFI63/500-2	63	500	2	2	604433	
	ESHFI80/500-2	80	500	2	2	604434	
	ESHFI100/500-2	100	500	2	2	604435	
<b>Series ESHFI - Type ASi - High immunity and Selective</b>							
  <p><b>AS</b>  </p>	ESHFI25/300-4	25	300	4	4	604498	
	ESHFI40/300-4	40	300	4	4	604499	
	ESHFI63/300-4	63	300	4	4	604500	
	ESHFI80/300-4	80	300	4	4	604501	
	ESHFI100/300-4	100	300	4	4	604502	
	ESHFI25/500-4	25	500	4	4	604508	
	ESHFI40/500-4	40	500	4	4	604509	
	ESHFI63/500-4	63	500	4	4	604510	
	ESHFI80/500-4	80	500	4	4	604511	
	ESHFI100/500-4	100	500	4	4	604512	
ESHFI100/10004	100	1000	4	4	604522		
<b>Series ESHFIi - Type ASi - High immunity and Selective</b>							
  <p><b>ASi</b>   Antiperturbazione</p>	ESHFI25/300-2I	25	300	2	2	605185	
	ESHFI40/300-2I	40	300	2	2	605186	
	ESHFI63/300-2I	63	300	2	2	605187	
  <p><b>ASi</b>   Antiperturbazione</p>	ESHFI25/300-4I	25	300	4	4	605205	
	ESHFI40/300-4I	40	300	4	4	605206	
	ESHFI63/300-4I	63	300	4	4	605207	
	ESHFI80/300-4I	80	300	4	4	605208	
	ESHFI100/3004I	100	300	4	4	605209	

Residual Current Circuit Breakers - Series ESHFI, ESHFI, EHBFI							
	Catalogue number	In (A)	IΔn (mA)	Number of poles	Number of modules	Reference number	
Series EHFfi - Type F							
  <p>F  </p>	EHFfi25/030-2	25	30	2	2		
	EHFfi40/030-2	40	30	2	2		
	EHFfi80/030-2	80	30	2	2		
  <p>F  </p>	EHFfi25/030-4	25	30	4	4		
	EHFfi40/030-4	40	30	4	4		
	EHFfi80/030-4	80	30	4	4		
Series EHBfi - Type B							
  <p>B   </p>	EHBfi25/030-2	25	30	2	4		
	EHBfi40/030-2	40	30	2	4		
	EHBfi80/030-2	80	30	2	4		
  <p>B   </p>	EHBfi25/300-2	25	300	2	4		
	EHBfi40/300-2	40	300	2	4		
	EHBfi80/300-2	80	300	2	4		
  <p>B   </p>	EHBfi25/030-4	25	30	4	4		
	EHBfi40/030-4	40	30	4	4		
	EHBfi80/030-4	80	30	4	4		
  <p>B   </p>	EHBfi25/300-4	25	300	4	4		
	EHBfi40/300-4	40	300	4	4		
	EHBfi80/300-4	80	300	4	4		




**Earth leakage circuit breaker type F**

The RCD type F has AC and A characteristics and more it is able to detect leakage current with high frequency, up to 1kHz. The symbol  shown this ability. Usually the high frequency leakage currents are generated form frequency converters (inverter).

**Earth leakage circuit breaker type B**

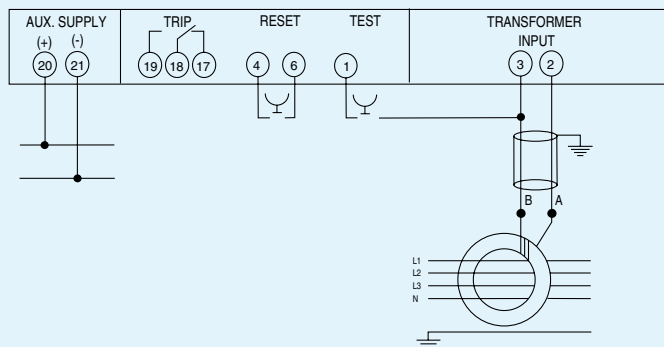
The RCD type B is the top rate device according to the standard EN62423. It can detect all kind of earth leakage currents, type AC and A, type F  for high frequency, and also the leakage direct current type B  . The leakage direct currents are generated from UPS, inverters, Converters ac/dc, Converters dc/ac (photovoltaic).

Residual Current Device with ring core - RD1, RD3

Catalogue number	Description	Contacts	Number of modules	Auxiliary supply	
<b>Residual Current Device</b>					
	<b>RD1110/2</b>	Residual Current Device, type A	1CO	2	110V AC
	<b>RD1230/2</b>	$I_{\Delta n}$ 30mA...30A	1CO	2	230V AC
	<b>RD1400/2</b>	Adjustable range 0...5s Negative and positive security Ring core connection by 2 cables Automatic permanent test Manual or automatic reset Signaling by led Local or manual TEST Local or manual RESET 1 SPDT contact 1CO	1CO	2	400V AC
	<b>RD3230</b>	Residual Current Device, type A Automatic reset $I_{\Delta n}$ 30mA...30A Adjustable range 0...5s Negative and positive security Ring core connection by 2 cables Automatic permanent test Signaling by led Local or manual TEST 2 SPDT contacts	2CO	4	230V AC
<b>Ring core</b>					
	<b>T028</b>	$\varnothing$ 28mm	$I_{\Delta n} \leq 30\text{mA}$		
	<b>T035</b>	$\varnothing$ 35mm	$I_{\Delta n} \leq 30\text{mA}$		
	<b>T080</b>	$\varnothing$ 80mm	$I_{\Delta n} \leq 30\text{mA}$		
	<b>T110</b>	$\varnothing$ 110mm	$I_{\Delta n} \leq 300\text{mA}$		
	<b>T140</b>	$\varnothing$ 140mm	$I_{\Delta n} \leq 300\text{mA}$		
	<b>T210</b>	$\varnothing$ 210mm	$I_{\Delta n} \leq 300\text{mA}$		

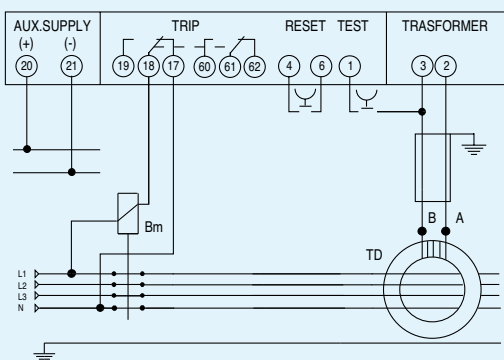
Wiring diagrams

Residual Current Device RD1

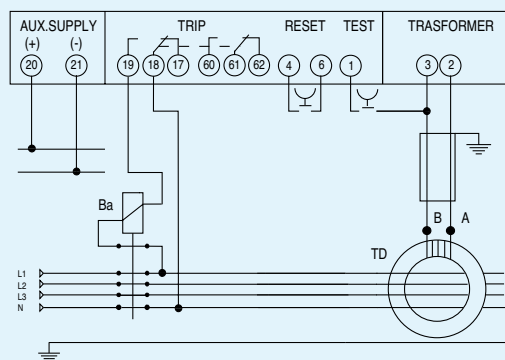


Residual Current Device RD3

with undervoltage relay



with shunt trip



# Automatic reclosing system

## StartUp 2 - Reclosing system for RCCBs and RCBOs

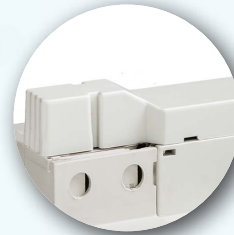
For 2P domestic application or 3P+N industrial application, with line test



Transparent windows covering



Signaling LED



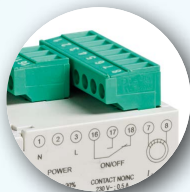
Breaker already assembled

## StartUp ADVANCED - Reclosing system with earth leakage protection for MCBs

For industrial application with line test, customized configuration



Breaker already assembled



AUX and TRIP status output



Display



Ring core for overcurrent protection

## StartUp - Automatic reclosing system

For all applications with RCCBs, without line test



Status indicator MAN-AUTO





Toggle actuator





For all RCCBs AEG




**Reclosing system for RCCBs - StartUp2 EHFI**


	Catalogue number	In (A)	Number of poles	I $\Delta$ n (mA)	Class	Number of modules	Reference number
	SU2EH40/030-2	40	2	30	A	4,5	678039
	SU2EH100/030-2	100	2	30	A	4,5	678040
	SU2EH63/030-21	63	2	30	Ai	4,5	678041
	SU2EH40/300-2	40	2	300	A	4,5	678042
	SU2EH100/300-2	100	2	300	A	4,5	678043
	SU2EH63/030-4	40	4	30	A	6,5	678044
	SU2EH100/030-4	100	4	30	A	6,5	678045
	SU2EH63/030-41	63	4	30	Ai	6,5	678046
	SU2EH63/300-4	63	4	300	A	6,5	678047
	SU2EH100/300-4	100	4	300	A	6,5	678048
	SU2EH100/3004S	100	4	300	AS	6,5	678049










**Reclosing system for 2P RCBOs - StartUp2 HDC90**

	Catalogue number	In (A)	Number of poles	I $\Delta$ n (mA)	Class	Number of modules	Reference number
	SU2HDSC10/030	10	2	30	A	4,5	678060
	SU2HDSC16/030	16	2	30	A	4,5	678061
	SU2HDSC20/030	20	2	30	A	4,5	678062
	SU2HDSC25/030	25	2	30	A	4,5	678063
	SU2HDSC32/030	32	2	30	A	4,5	678064
	SU2HDSC40/030	40	2	30	A	4,5	678065
	SU2HDSC10/300	10	2	300	A	4,5	678066
	SU2HDSC16/300	16	2	300	A	4,5	678067
	SU2HDSC20/300	20	2	300	A	4,5	678068
	SU2HDSC25/300	25	2	300	A	4,5	678069
	SU2HDSC32/300	32	2	300	A	4,5	678070
	SU2HDSC40/300	40	2	300	A	4,5	678071



Reclosing system for MCBs - StartUp <b>ADVANCED</b>								
	Catalogue number	Description	In (A)	Number of poles	Capacità di rottura (kA)	Number of modules	Reference number	
	<b>SUTPE92SC16</b>		16	2	10	4,5	678050	
	<b>SUTPE92SC25</b>		25	2	10	4,5	678051	
	<b>SUTPE92SC40</b>		40	2	10	4,5	678052	
	<b>SUTPE92SC63</b>		63	2	10	4,5	678053	
	<b>SUTPE94SC16</b>		16	4	10	6,5	678054	
	<b>SUTPE94SC25</b>		25	4	10	6,5	678055	
	<b>SUTPE94SC40</b>		40	4	10	6,5	678056	
	<b>SUTPE94SC63</b>		63	4	10	6,5	678057	
	<b>SUTP-T25</b>	Ring core Ø 25mm					678058	
	<b>SUTP-T35</b>	Ring core Ø 35mm					678059	

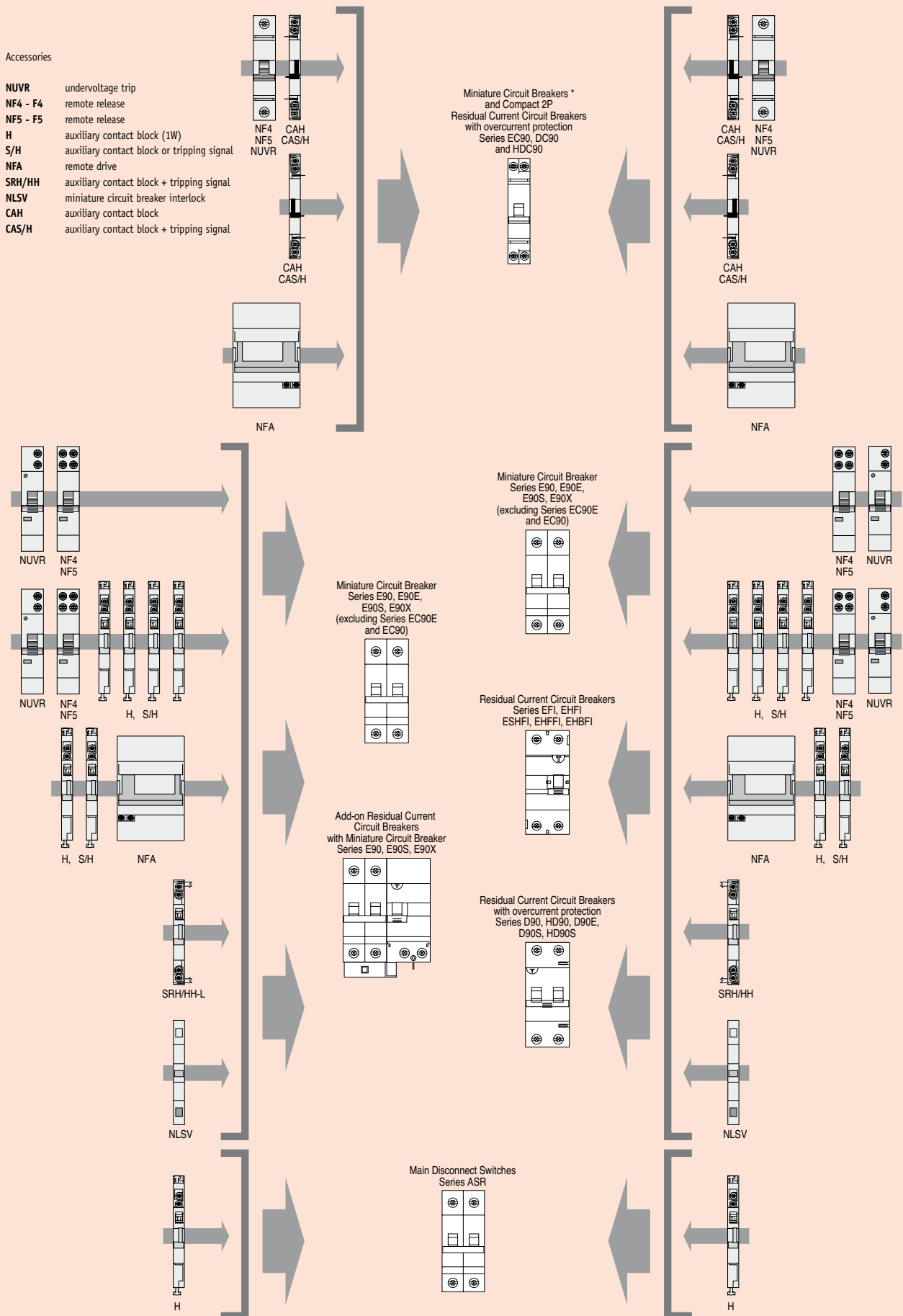
Reclosing system - StartUp								
	Catalogue number	Mounted on breakers	Rated Voltage Un	Number of poles		Number of modules		
	<b>STARTUP-230</b>	BFI (2 poles)	220/240V~	2		3		
		EFI (2, 4 poles)						
		EHFI (2, 4 poles)						
		ESHFI (2, 4 poles)						
		EHFFI (2, 4 poles)						
		EHBFI (2, 4 poles)						

Add-on Devices and Accessories					
	Catalogue number	Description	Number of modules	Reference number	
<b>Auxiliary contact block for Series E90 (excluded Series EC90, DC90, HDC90) and for non-automatic breakers ASR</b>					
	<b>H</b>	1 Auxiliary contact block	0,5	676034	
	<b>S/H</b>	1 Auxiliary contact block or tripping-signal	0,5	676035	
	<b>S/HG</b>	1 Auxiliary contact block or tripping-signal (gold contacts)	0,5	676036	
	<b>SRH/HH</b>	1 Auxiliary contact block + 1 Auxiliary contact block or tripping-signal (right mounted)	0,5	567819	
	<b>SRH/HH-L</b>	1 Auxiliary contact block + 1 Auxiliary contact block or tripping-signal (left mounted)	0,5	676037	
<b>Auxiliary contact block for Series EC90, DC90, HDC90 (COMPACT)</b>					
	<b>CAH</b>	1 Auxiliary contact block	0,5	672977	
	<b>CAS/H</b>	1 Auxiliary contact block or tripping-signal	0,5	672978	
<b>Auxiliary contact block for Series E880</b>					
	<b>E880H</b>	1 Auxiliary contact block	1	671597	
	<b>E880S/H</b>	1 Auxiliary contact block or tripping-signal	1	671599	
	<b>E880SR</b>	1 Auxiliary contact block + 1 tripping-signal + function TEST, RESET	1	671602	
<b>Remote release for Series E90, EC90, DC90, HDC90 *</b>					
	<b>NF4</b>	24-60V AC/16-48V DC	1	567820	
	<b>NF5</b>	110-415V AC/110-125V DC	1	567821	
* an auxiliary contact type CAH or CAS/H must be mounted between undervoltage trip and MCB EC90E, EC90 series					
<b>Remote release for Series E880</b>					
	<b>F4</b>	24-60V AC/16-48V DC	1	546532	
	<b>F5</b>	110-415V AC/110-125V DC	1	546533	
<b>Undervoltage trip for Series E90, EC90, DC90, HDC90 *</b>					
	<b>NUVR12</b>	12V AC - DC	1	676040	
	<b>NUVR24</b>	24V AC - DC	1	676041	
	<b>NUVR48</b>	48V AC - DC	1	676042	
	<b>NUVR230</b>	230V AC	1	676039	
* an auxiliary contact type CAH or CAS/H must be mounted between undervoltage trip and MCB EC90E, EC90 series					
<b>Miniature circuit breakers interlock</b>					
	<b>NLSV</b>		0,5	676038	
<b>Remote drive</b>					
	<b>NFA</b>	230V AC	3	676043	
<b>Padlocking bracketlet</b>					
	<b>KS</b>			624929	

Accessories: available combinations

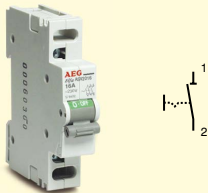
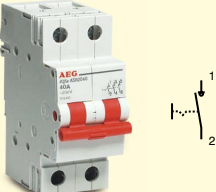


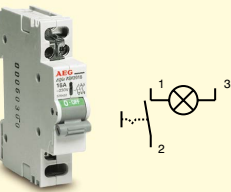
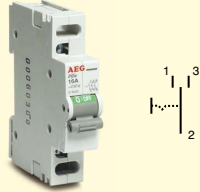
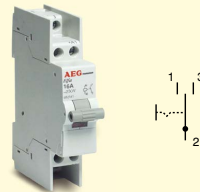
Accessories






- NUVR** undervoltage trip
- NF4 - F4** remote release
- NF5 - F5** remote release
- H** auxiliary contact block (1W)
- S/H** auxiliary contact block or tripping signal
- NFA** remote drive
- SRH/HH** auxiliary contact block + tripping signal
- NLSV** miniature circuit breaker interlock
- CAH** auxiliary contact block
- CAS/H** auxiliary contact block + tripping signal



\* The auxiliary contact block CAH, CAS/H must be mounted on the left side of the Compact MCBs 3P








Comfort Functions - Switches, Push-buttons, Indication lamps

	Catalogue number	Nominal current	Contact combination	Number of modules	Reference number
<b>Switches</b>					
	ASV1016	16A 240V AC	1 NO	1	666966
	ASV2016	16A 240V AC	2 NO	1	666968
	ASV3016	16A 415V AC	3 NO	1	666969
	ASV4016	16A 415V AC	4 NO	1	666970
	ASV1032	32A 240V AC	1 NO	1	666972
	ASV2032	32A 240V AC	2 NO	1	666974
	ASV3032	32A 415V AC	3 NO	1	666975
	ASV4032	32A 415V AC	4 NO	1	666976
<b>Main Disconnect Switches</b>					
	ASR1040	40A 240V AC	1 NO	1	666985
	ASR2040	40A 415V AC	2 NO	2	666986
	ASR3040	40A 415V AC	3 NO	3	666987
	ASR4040	40A 415V AC	4 NO	4	666988
	ASR1063	63A 240V AC	1 NO	1	666957
	ASR2063	63A 415V AC	2 NO	2	666958
	ASR3063	63A 415V AC	3 NO	3	666959
	ASR4063	63A 415V AC	4 NO	4	666960
	ASR10100	100A 240V AC	1 NO	1	666953
	ASR20100	100A 415V AC	2 NO	2	666954
	ASR30100	100A 415V AC	3 NO	3	666955
	ASR40100	100A 415V AC	4 NO	4	666956
<b>Main Disconnect Switches with padlockable rotary handle - Series HLN</b>					
	HLN13125	125A 415V AC	3 NO	5	731110
	HLN14125	125A 415V AC	4 NO	5	731111
	HLN23160	160A 415V AC	3 NO	8	731127
	HLN24160	160A 415V AC	4 NO	8	731128
	HLN23200	200A 415V AC	3 NO	8	731131
	HLN24200	200A 415V AC	4 NO	8	731132
<b>Auxiliary contacts (to mount on the right side)</b>					
	DZHW11N		1 CO	0,5	730252
	DZHW12N		2 CO	0,5	730253
<b>Manual Changeovers (I-0-II)</b>					
	SD2/3-63	63A 415V AC	3 NO + 3 NO	6	192053
	SD2/4-63	63A 415V AC	4 NO + 4 NO	6	192363
	SD2/3-80	80A 415V AC	3 NO + 3 NO	6	192063
	SD2/4-80	80A 415V AC	4 NO + 4 NO	6	192363
	SD2/3-100	100A 415V AC	3 NO + 3 NO	8	192073
	SD2/4-100	100A 415V AC	4 NO + 4 NO	8	192373
	SD2/3-125	125A 415V AC	3 NO + 3 NO	8	192083
	SD2/4-125	125A 415V AC	4 NO + 4 NO	8	192383
<b>Auxiliary contacts (to mount on the right side)</b>					
	SD2-HS11		1 NC + 1 NO	1	19429
<b>Switches with signal lamp</b>					
	ASV-L1016	16A 240V AC	1 NO	1	666977
	ASV-L2016	16A 240V AC	2 NO	1	666978
	ASV-L1032	32A 240V AC	1 NO	1	666979
	ASV-L2032	32A 240V AC	2 NO	1	666980
<b>Changeover Switches</b>					
	WSV1016	16A 240V AC	1 CO	1	666965
	WSV2016	16A 240V AC	2 CO	1	666967
	WSV1032	32A 240V AC	1 CO	1	666971
	WSV2032	32A 240V AC	2 CO	1	666973
<b>Changeover Switches with 0 position</b>					
	GSV1016	16A 240V AC	1 CO	1	666981
	GSV2016	16A 240V AC	2 CO	1	666982
	GSV1032	32A 240V AC	1 CO	1	666983
	GSV2032	32A 240V AC	2 CO	1	666984




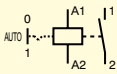





Comfort Functions - Push-buttons, Indication lamps, Socket outlet							
	Catalogue number	Nominal current	Contact combination		Number of modules	Reference number	
<b>Push-buttons</b>							
 	<b>TV0116</b>	16A 240V AC	1 NC		1	666961	
	<b>TV1016</b>	16A 240V AC	1 NO		1	666962	
	<b>TV1116</b>	16A 240V AC	1 NO + 1 NC		1	666963	
<b>Push-buttons with signal lamp</b>							
 	<b>TV-L1016</b>	16A 240V AC	1 NO		1	666964	
To complete the push-button to add the lens (see below)							
<b>Indication lamps</b>							
  	<b>Lamp holder</b>						
	<b>VL1</b>				1	666881	
	<b>Lamp</b>						
	<b>VZGJ5</b>		12V				666340
	<b>VZGB5</b>		24V				666342
	<b>VZGM5</b>		230V				666341
	<b>LED</b>						
	<b>VZKLB</b>	Green	24V				666868
	<b>VZGLB</b>	Yellow	24V				666866
	<b>VZYL</b>	Red	24V				666864
	<b>VZRL</b>	White	24V				666867
	<b>VZKLM</b>	Green	230V				666878
	<b>VZGLM</b>	Yellow	230V				666876
	<b>VZYL</b>	Red	230V				666874
	<b>VZRL</b>	White	230V				666877
	<b>Lens</b>						
	<b>VZK</b>	Transparent					666343
<b>VZG</b>	Green					666344	
<b>VZO</b>	Orange					666345	
<b>VZR</b>	Red					666346	
 	<b>SVL3RYG</b>	Red/Yellow/Green	230V AC	3 + N	1		
	<b>SVL3R</b>	Red	230V AC	3 + N	1		
	<b>SVL3G</b>	Green	230V AC	3 + N	1		
	<b>BIEPEM</b>				2	189200	
For the choice of the control and signalling units see the AEG catalogue "Product for the automation"							
<b>Socket-outlet</b>							
	<b>NST16</b>	16A	240V AC		2,5	666938	










Comfort Functions - Fuse holders, Transformers

	Catalogue number	Nominal current	Nominal voltage	Number of poles	Number of modules	Reference number	
<b>Fuse Holders</b>							
	<b>Fuse size 10x38mm</b>						
	SFH132	32A	500V AC	1	1	862000	
	SFH132NR	32A	500V AC	1 + N	1	862001	
	SFH232	32A	500V AC	2	2	862002	
	SFH332	32A	500V AC	3	3	862003	
	SFH332N	32A	500V AC	3 + N	4	862004	
	SFH332NR	32A	500V AC	3 + N	3	862005	
	<b>Fuse size 14x51mm</b>						
	SFH163	63A	415V AC	1	1,5	862010	
	SFH263	63A	415V AC	2	3	862012	
	SFH363	63A	415V AC	3	4,5	862013	
	SFH363N	63A	415V AC	3 + N	6	862014	
	<b>Fuse size 22x58mm</b>						
	SFH1125	125A	415V AC	1	2	862020	
	SFH2125	125A	415V AC	2	4	862022	
SFH3125	125A	415V AC	3	6	862023		
SFH3125N	125A	415V AC	3 + N	8	862024		
<b>Transformers</b>							
     	<b>Bell transformers</b>						
	KT85	5VA	8/12V	220... 240V	2	666995	
	KT88	8VA	12/24V	220... 240V	2	666710	
	KT816	16VA	12/24V	220... 240V	2	666711	
	KT830	30VA	12/24V	220... 240V	3	666999	
	<b>Safety transformers</b>						
	KTS15	15VA *	12/24V	220... 240V	3	666707	
	KTS25	25VA *	12/24V	220... 240V	3	666996	
	KTS40	40VA *	12/24V	220... 240V	4	666997	
	KTS63	63VA *	12/24V	220... 240V	6	666998	
	* Continuous power on the secondary refers both 12 and 24V						
	<b>Transformers with buzzer</b>						
	KTUM5B5	6,1VA	24V	230V	2	666702	
	<b>Transformers with ringtone</b>						
	KTEM5B5	6,1VA	24V	230V	2	666705	
<b>Transformers with buzzer and ringtone</b>							
KTUEM5B5	3,8 + 3,8VA	24V	230V	2	666706		
<b>Buzzers</b>							
KTUM5			230V	1	666700		
KTUJ5			12V	1	666701		
<b>Ringtones</b>							
KTEM5			230V	1	666703		
KTEJ5			12V	1	666704		







Comfort Functions - Contactors, Relays

	Catalogue number	Nominal current	Rated power AC3/AC7b	Contact combination	Coil voltage	Number of modules	Reference number	
<b>Contactors</b>								
 	VI2002M5	20A	1,3kW 230V	2 NC	230V AC	1	666128	
	VI2020J5	20A	1,3kW 230V	2 NO	12V AC	1	666786	
	VI2020B5	20A	1,3kW 230V	2 NO	24V AC	1	666788	
	VI2020E5	20A	1,3kW 230V	2 NO	48V AC	1	666789	
	VI2020M5	20A	1,3kW 230V	2 NO	230V AC	1	666787	
	VI2224BU	24A	1,3kW 230V	2 NO + 2 NC	24V AC/DC	2	666791	
	VI2224MU	24A	1,3kW 230V	2 NO + 2 NC	230V AC/DC	2	666790	
	VI3024BU	24A	4kW 400V	3 NO	24V AC/DC	2	666793	
	VI3024MU	24A	4kW 400V	3 NO	230V AC/DC	2	666792	
	VI0424BU	24A	4kW 400V	4 NC	24V AC/DC	2	666795	
	VI0424MU	24A	4kW 400V	4 NC	230V AC/DC	2	666794	
	VI4024BU	24A	4kW 400V	4 NO	24V AC/DC	2	666797	
	VI4024MU	24A	4kW 400V	4 NO	230V AC/DC	2	666796	
	VI2040BU	40A	3,7kW 230V	2 NO	24V AC/DC	3	666799	
	VI2040MU	40A	3,7kW 230V	2 NO	230V AC/DC	3	666798	
	VI3040BU	40A	11kW 400V	3 NO	24V AC/DC	3	666801	
	VI3040MU	40A	11kW 400V	3 NO	230V AC/DC	3	666800	
	VI4040BU	40A	11kW 400V	4 NO	24V AC/DC	3	666803	
	VI4040MU	40A	11kW 400V	4 NO	230V AC/DC	3	666802	
	VI2063MU	63A	5kW 230V	2 NO	230V AC/DC	3	666804	
	VI4063BU	63A	15kW 400V	4 NO	24V AC/DC	3	666806	
	VI4063MU	63A	15kW 400V	4 NO	230V AC/DC	3	666805	
	<b>Contactors with hand switch</b>							
	 	VI2020M5-M	20A		2 NO	230V AC/DC	1	666164
		VI3024MU-M	24A		3 NO	230V AC/DC	2	666165
		VI4024MU-M	24A		4 NO	230V AC/DC	2	666166
		VI2040MU-M	40A		2 NO	230V AC/DC	3	666167
		VI3040MU-M	40A		3 NO	230V AC/DC	3	666168
	VI4040MU-M	40A		4 NO	230V AC/DC	3	666169	
	<b>Auxiliary contacts 24, 40 e 63A *</b>							
	VI1106	6A		1 NO + 1 NC		0,5	666810	
	VI2006	6A		2 NO		0,5	666811	
<b>Sealing piece</b>								
	VIPK2					2	666808	
	VIPK3					3	666807	
<b>Spacer</b>								
	VIFS					0,5	666809	
* Not applicable on contactors VI2020....								
<b>Staircase Switches</b>								
	Catalogue number	Nominal current	Operating scale	Contact combination	Coil voltage	Number of modules	Reference number	
 	<b>Electronic</b>							
	VTR4	16A 250V	0,5... 15min	1 NO	230V	1	686031	
<b>Time Relays</b>								
	Catalogue number	Nominal current	Operating scale	Contact combination	Coil voltage	Number of modules	Reference number	
 	NVZR+AV	10A 250V AC	Delay on	1 CO	230V AC	1	686029	
	NVZR+RV	16A 250V AC	Delay off	1 CO	230V AC	1	686273	
	NCZR+EW	10A 250V AC	Positive edge single shot	1 CO	230V AC	1	666283	
	NVZR+TI	16A 250V AC	Symmetrica flasher	1 CO	230V AC	1	686287	








Comfort Functions - Contactors, Relays

	Catalogue number	Nominal current	Contact combination	Coil voltage	Number of modules	Reference number	
<b>Relays</b>							
 	VFR+1016A5	16A	1 NO	8V AC	1	686220	
	VFR+1016J5	16A	1 NO	12V AC / 6V DC	1	686223	
	VFR+1016B5	16A	1 NO	24V AC / 12V DC	1	686221	
	VFR+1016E5	16A	1 NO	48V AC / 24V DC	1	686222	
	VFR+1016M5	16A	1 NO	230V AC / 115V DC	1	686224	
	VFR+1116A5	16A	1 NO + 1 NC	8V AC	1	686226	
	VFR+1116J5	16A	1 NO + 1 NC	12V AC / 6V DC	1	686229	
	VFR+1116B5	16A	1 NO + 1 NC	24V AC / 12V DC	1	686227	
	VFR+1116E5	16A	1 NO + 1 NC	48V AC / 24V DC	1	686228	
	VFR+1116M5	16A	1 NO + 1 NC	230V AC / 115V DC	1	686230	
	VFR+2016A5	16A	2 NO	8V AC	1	686232	
	VFR+2016J5	16A	2 NO	12V AC / 6V DC	1	686235	
	VFR+2016B5	16A	2 NO	24V AC / 12V DC	1	686233	
	VFR+2016E5	16A	2 NO	48V AC / 24V DC	1	686234	
	VFR+2016M5	16A	2 NO	230V AC / 115V DC	1	686236	
	VFR+2216A5	16A	2 NO + 2 NC	8V AC	2	686238	
	VFR+2216J5	16A	2 NO + 2 NC	12V AC / 6V DC	2	686241	
	VFR+2216B5	16A	2 NO + 2 NC	24V AC / 12V DC	2	686239	
	VFR+2216E5	16A	2 NO + 2 NC	48V AC / 24V DC	2	686240	
	VFR+2216M5	16A	2 NO + 2 NC	230V AC / 115V DC	2	686242	
	VFR+4016A5	16A	4 NO	8V AC	2	686244	
	VFR+4016J5	16A	4 NO	12V AC / 6V DC	2	686247	
	VFR+4016B5	16A	4 NO	24V AC / 12V DC	2	686245	
	VFR+4016E5	16A	4 NO	48V AC / 24V DC	2	686246	
	VFR+4016M5	16A	4 NO	230V AC / 115V DC	2	686248	
	<b>Add-on Auxiliary Contacts</b>						
VFR+1105	5A	1 NO + 1 NC			0,5	686035	
<b>Impulse Switches</b>							
	Catalogue number	Nominal current	Contact combination	Coil voltage	Number of modules	Reference number	
   	VFS+1016J5	16A	1 NO	12V AC / 6V DC	1	686257	
	VFS+1016B5	16A	1 NO	24V AC / 12V DC	1	686255	
	VFS+1016E5	16A	1 NO	48V AC / 24V DC	1	686256	
	VFS+1016M5	16A	1 NO	230V AC / 115V DC	1	686258	
	VFS+1116J5	16A	1 NO + 1 NC	12V AC / 6V DC	1	686263	
	VFS+1116B5	16A	1 NO + 1 NC	24V AC / 12V DC	1	686261	
	VFS+1116E5	16A	1 NO + 1 NC	48V AC / 24V DC	1	686262	
	VFS+1116M5	16A	1 NO + 1 NC	230V AC / 115V DC	1	686264	
	VFS+2016J5	16A	2 NO	12V AC / 6V DC	1	686269	
	VFS+2016B5	16A	2 NO	24V AC / 12V DC	1	686267	
	VFS+2016E5	16A	2 NO	48V AC / 24V DC	1	686268	
	VFS+2016M5	16A	2 NO	230V AC / 115V DC	1	686270	
	<b>Add-on Power Contacts</b>						
	VFS+1620	16A	2 NO	-	1	686251	
	VFS+1611	16A	1 NO + 1NC	-	1	686250	
<b>All-in Central Command</b>							
VFS+Z1016J5	16A	1 NO	12V AC / 6V DC	1	686277		
VFS+Z1016B5	16A	1 NO	24V AC / 12V DC	1	686275		
VFS+Z1016E5	16A	1 NO	48V AC / 24V DC	1	686276		
VFS+Z1016M5	16A	1 NO	230V AC / 115V DC	1	686278		
VFS+Z2016J5	16A	2 NO	12V AC / 6V DC	1	686281		
VFS+Z2016B5	16A	2 NO	24V AC / 12V DC	1	686279		
VFS+Z2016E5	16A	2 NO	48V AC / 24V DC	1	686280		
VFS+Z2016M5	16A	2 NO	230V AC / 115V DC	1	686282		
<b>Add-on Auxiliary Contacts</b>							
VFR+1105	5A	1 NO + 1 NC			0,5	686035	
<b>Priority Relays</b>							
	Catalogue number	Nominal current	Contact combination	Coil voltage	Number of modules	Reference number	
	LRO	32A diretti 5A con TA	1NO	230V AC	2	666902	
	LRO1	32A diretti 5A con TA	1NC	230V AC	2	666446	

Comfort Functions - Time Switches, Light Sensitive Switches, Hour Counters






	Catalogue number	Program	Adjustment range	Operating voltage	Contact combination	Number of modules	Reference number
<b>Analogue Time Switches</b>							
 	<b>Quartz</b>						
	<b>VM1</b>	G	15min	220... 240V AC	1 NO	1	559614
	<b>VM3</b>	G	15min	180... 240V AC	1 CO	3	559615
	<b>GME7</b>	S	2h	180... 240V AC	1 CO	3	666783
<b>Digital Time Switches</b>							
 	Catalogue number	Program	Number of program steps	Operating voltage	Contact combination	Number of modules	Reference number
	<b>GD7-16</b>	G + S	8	220... 240V AC	1 CO	2	560217
<b>Astronomical Time Switches</b>							
 	Catalogue number	Program		Operating voltage	Contact combination	Number of modules	Reference number
	<b>GDJ-AST</b>	Annual		230V AC	1 CO	2	666818
<b>Light Sensitive Switches</b>							
  	Catalogue number	Light intensity switching range	Nominal current	Operating voltage	Contact combination	Number of modules	Reference number
	<b>DIN rail mounting, separated photocell incorporated</b>						
	<b>GDS11</b>	2... 500 lux	16A 250V AC	230V AC	1 NO	1	666883
	<b>Wallmounting photocell separated photocell incorporated</b>						
<b>GDSW</b>	2... 2200 lux	16A 250V AC	230V AC	1 NO		666884	
<b>Photocell (spare part)</b>							
<b>NGDSF</b>						666882	
<b>Hour Counter</b>							
 	Catalogue number			Operating voltage		Number of modules	Reference number
	<b>Modular</b>						
<b>MGABZB5</b>				24V 50Hz		2	666901
<b>MGABZM5</b>				230V 50Hz		2	666889
<b>Flush mounting (48 x 48mm)</b>							
<b>NZ302B5</b>				24V 50Hz			559620
<b>NZ302B6</b>				24V 60Hz			559621
<b>NZ302G5</b>				110V 50Hz			559624
<b>NZ302M5</b>				220V 50Hz			559626
<b>NZ302M6</b>				220V 60Hz			559627
<b>NZ302S5</b>				380V 50Hz			559628









**Comfort Functions - Surge Arresters**

Catalogue number	In (kA) 8/20µs	Iimp (kA) 10/350µs	Description	BT system	Number of poles	Number of modules	Reference number	
<b>Surge Arresters</b>								
<b>Lightning current arresters Type 1</b>								
	NVBA-3	100		TN-C/IT	3	4	206050	
	NVBA-4	100		TN-S	4	4	206051	
	NVBA-31	100		TT	3+N/PE	4	206052	
<b>High energy combined lightning current and surge arresters Type 1+2</b>								
	NHLUA-2FM	70	32	With signalling contact FM	TN	2	4	207227
	NHLUA-11FM	30	20	With signalling contact FM	TT	1+N/PE	3	207217
	NHLUA-3FM	100	48	With signalling contact FM	TN-C/IT	3	6	207237
	NHLUA-4FM	100	64	With signalling contact FM	TN-S	4	8	207257
	NHLUA-31FM	100	50	With signalling contact FM	TT	3+N/PE	7	207247
<b>Spare parts for series NHLUA</b>								
	NHLUA-CT	70	16	Plug-in 1P for NHLUA		1	1	207203
<b>Combined lightning current and surge arresters Type 1+2</b>								
	NLUA-2	70	16		TN	2	2	207220
	NLUA-11	30	16		TT	1+N/PE	2	207210
	NLUA-3	100	24		TN-C/IT	3	3	207230
	NLUA-4	100	32		TN-S	4	4	207250
	NLUA-31	30	20		TT	3+N/PE	4	207240
	NLUA-2FM	70	16	With signalling contact FM	TN	2	2	207222
	NLUA-11FM	30	16	With signalling contact FM	TT	1+N/PE	2	207212
	NLUA-3FM	100	24	With signalling contact FM	TN-C/IT	3	3	207232
	NLUA-4FM	100	32	With signalling contact FM	TN-S	4	4	207252
	NLUA-31FM	30	20	With signalling contact FM	TT	3+N/PE	4	207242
<b>Spare parts for series NLUA</b>								
	NLUA-CT	35	8	Plug-in 1P for NLUA		1	1	207201
<b>Overvoltage arrester Type 2</b>								
	NUA280-150	20		Uc: 150V AC/200V DC	Tutti	1	1	206150
	NUA280	20		Uc: 280V AC/350V DC	Tutti	1	1	206280
	NUA280-360	20		Uc: 360V AC/470V DC	Tutti	1	1	206361
	NUA280-440	20		Uc: 440V AC/585V DC	Tutti	1	1	206441
	NUA280-500	20		Uc: 500V AC/650V DC	Tutti	1	1	206501
	NUA280-600	20		Uc: 600V AC/820V DC	Tutti	1	1	206602
	NUA280-150FM	20		Uc: 150V AC/200V DC with contact FM	Tutti	1	1	206152
	NUA280FM	20		Uc: 280V AC/350V DC with contact FM	Tutti	1	1	206282
	NUA280-360FM	20		Uc: 360V AC/470V DC with contact FM	Tutti	1	1	206365
	NUA280-440FM	20		Uc: 440V AC/585V DC with contact FM	Tutti	1	1	206443
	NUA280-500FM	20		Uc: 500V AC/650V DC with contact FM	Tutti	1	1	206503
	NUA280-600FM	20		Uc: 600V AC/820V DC with contact FM	Tutti	1	1	206604
	NUA280-2	40			TN	2	2	206226
	NUA280-11	30			TT	1+N/PE	2	206228
	NUA280-3	60			TN-C/IT	3	3	206220
	NUA280-4	80			TN-S	4	4	206221
	NUA280-31	30			TT	3+N/PE	4	206222
	NUA280-2FM	40		With signalling contact FM	TN	2	2	206227
	NUA280-11FM	30		With signalling contact FM	TT	1+N/PE	2	206229
	NUA280-3FM	60		With signalling contact FM	TN-C/IT	3	3	206223
	NUA280-4FM	80		With signalling contact FM	TN-S	4	4	206224
	NUA280-31FM	30		With signalling contact FM	TT	3+N/PE	4	206225
<b>Spare parts for series NUA280</b>								
	NUA280-CT	20		Plug-in 1P for NUA280		1	1	206281
	NUA280-CTN	20		Plug-in N/PE for NUA280		N/PE	1	206287



Comfort Functions - Surge Arresters

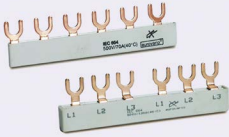

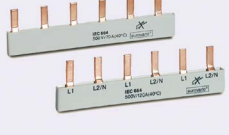



Catalogue number	In (kA) 8/20µs	Iimp (kA) 10/350µs	Description	BT system	Number of poles	Number of modules	Reference number
<b>Surge Arresters</b>							
<b>Surge arrester Type 3</b>							
	<b>NDA-230</b>	5	Con contatto segnalazione FM		1+N/PE	1	206460
<b>Surge arrester Type 2 2 for photovoltaic systems with 3 varistors</b>							
	<b>NUA600R</b>	20	600V		2+1	3	206761
	<b>NUA1000R</b>	20	1000V		2+1	3	206701
	<b>NUA600RFM</b>	20	600V With signalling contact FM		2+1	3	206765
	<b>NUA1000RFM</b>	20	1000V With signalling contact FM		2+1	3	206705
<b>Surge arrester Type 2 for photovoltaic systems</b>							
	<b>NUA600</b>	20	600V		2+1	3	206762
	<b>NUA800</b>	20	800V		2+1	3	206782
	<b>NUA1000</b>	20	1000V		2+1	3	206792
	<b>NUA600FM</b>	20	600V With signalling contact FM		2+1	3	206766
	<b>NUA800FM</b>	20	800V With signalling contact FM		2+1	3	206786
	<b>NUA1000FM</b>	20	1000V With signalling contact FM		2+1	3	206796
<b>Spare parts for series NUA for fotovoltaic systems</b>							
	<b>NUA600-CT</b>	20	Plug-in 1P for NUA600		1	1	206281
	<b>NUA600-CTN</b>	20	Plug-in N/PE for NUA600		N/PE	1	206287
	<b>NUA800-CT</b>	20	Plug-in 1P for NUA800		1	1	206364
	<b>NUA800-CTN</b>	20	Plug-in N/PE for NUA800		N/PE	1	206289
	<b>NUA1000-CT</b>	20	Plug-in 1P for NUA1000		1	1	206442
	<b>NUA1000-CTN</b>	20	Plug-in N/PE for NUA1000		N/PE	1	206291
	<b>NUA600FM-CT</b>	20	Plug-in 1P for NUA600FM		1	1	206283
	<b>NUA800FM-CT</b>	20	Plug-in 1P for NUA800FM		1	1	206366
	<b>NUA1000FM-CT</b>	20	Plug-in 1P for NUA1000FM		1	1	206444
<b>Surge arrester Type 1+2 2 for photovoltaic systems</b>							
	<b>NLUA600</b>	20	600V		2+1	3	206762
	<b>NLUA800</b>	20	800V		2+1	5	206782
	<b>NLUA1000</b>	20	1000V		2+1	5	206792
	<b>NLUA600FM</b>	20	600V With signalling contact FM		2+1	3	206766
	<b>NLUA800FM</b>	20	800V With signalling contact FM		2+1	5	206786
	<b>NLUA1000FM</b>	20	1000V With signalling contact FM		2+1	5	206796

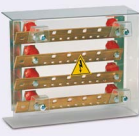
Comfort Functions - Misurament Instruments					
Catalogue number	Description	Supply	Numer of modules	Reference number	
<b>Misurament Instruments</b>					
	<b>Network monitor (without energy measurement)</b> <b>E8F/4</b> Three-phase + Neutral o Three-phase, Current, Voltage, phase active or reactive power, active reactive and apparent power, cosφ, neutral current, working hour and minute, power demand and power max demand	115... 230V AC	4	852210	
	<b>Network monitor</b> <b>E8MF/4</b> Three-phase + Neutral o Three-phase, Current, Voltage, phase active or reactive power, active reactive and apparent power, cosφ, neutral current, frequency, working hour and minute, power demand and power max demand, phase sequence	115... 230V AC	4	852198	
	<b>E8MF/4RS</b> as E8MF/4 with RS485 communication, Jbus/Modbus	115... 230V AC	4	852199	
	<b>E8MF/4I</b> as E8MF/4 with pulse output for energy counting	115... 230V AC	4	852201	
	<b>Energy counter</b> <b>E8W/1-1</b> Single-phase, direct connection up to 32A, active energy	Selfsupplied	1	852206	
	<b>E8W1-63</b> Single-phase, direct connection up to 63A, total or partial active energy (reset), Current, Voltage, display 6 digit, sealable housing	Selfsupplied	2	852203	
	<b>E8W1-63RS</b> come E8W1-63 ma con uscita RS485 invece che ad impuls	Selfsupplied	2	852208	
	<b>E8W4-63</b> Three-phase + Neutral o Three-phase, direct connection up to 63A, total or partial active energy (reset), pulse output, active power max. demand, energy count with double tariff, display 8 digit, sealable housing	Selfsupplied	4	852204	
	<b>E8W4-63RS</b> come E8W4-4 ma con uscita RS485 invece che ad impuls	Selfsupplied	4	852206	
	<b>E8W4-4</b> Three-phase + Neutral o Three-phase, connection on TA/1A and 5A, total or partial active energy (reset), pulse output, active power max. demand, energy count with double tariff, display 8 digit, sealable housing	Selfsupplied	4	852205	
	<b>E8W4-4RS</b> come E8W4-4 ma con uscita RS485 invece che ad impuls	Selfsupplied	4	852207	
	<b>Network monitor RS485/ethernet</b> <b>IF/4E011</b> Interface ethernet communication module, with integrated logger function. Allowed to connect up to 64 counters or multifunctional meters, all with RS485 output. Up to 400 days flash memory. Report visibile on screen or reported to a file .csv Web server pages.	90... 265V AC 100... 300V DC	4	852210	
	<b>Digital Ammeter/Volt meter</b> <b>E8AV/D</b> Alternating voltage or current selectable measurement, 1000 display points, direct connection ammeter on TA/1A or 5A, direct connection voltmeter up to 500V	230V AC	4	852092	

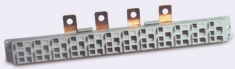



**Comfort Functions - Misurament Instruments**

	Catalogue number	Description	Rated burden	Numer of modules	Reference number
<b>Misurament Instruments</b>					
	<b>Analogue Voltmeter</b>				
	<b>E8A/50</b>	Moving iron equipment, direct connection, scale 0...50A, class 1,5, working frequency 45...65Hz	Selfsupplied	3	851173
	<b>E8A/60</b>	Moving iron equipment, direct connection, scale 0...60A, class 1,5, working frequency 45...65Hz	Selfsupplied	3	851176
	<b>E8A/1000</b>	Moving iron equipment, connection on TA/5A, without scale, class 1,5, working frequency 45...65Hz	Autoalimentato	3	851196
	<b>Analogue Ammeter</b>				
	<b>E8V/500</b>	Moving iron equipment, direct connection up to 500V, class 1,5, working frequency 45...65Hz	Selfsupplied	3	851193
	<b>Switch</b>				
	<b>E8CV/4</b>	Voltmetric 4 position switch 3 Linked voltage (12A - 690V)		3	852195
	<b>E8CV/7</b>	Voltmetric 7 position switch 3 Linked voltage , 3 Phase-neutral (12A - 690V)		3	852196
	<b>E8CA/4</b>	Single pole 4 position Ammetric switch 4 for 3TA (12A - 690V)		3	852197
	<b>Interchange Ammeter scaleplates for E8A/1000</b>				
	<b>E8A/15S</b>	0... 15A			851273
	<b>E8A/20S</b>	0... 20A			851274
	<b>E8A/25S</b>	0... 25A			851275
	<b>E8A/40S</b>	0... 40A			851276
	<b>E8A/50S</b>	0... 50A			851280
	<b>E8A/60S</b>	0... 60A			851281
	<b>E8A/80S</b>	0... 80A			851282
	<b>E8A/100S</b>	0... 100A			851283
	<b>E8A/150S</b>	0... 150A			851284
	<b>E8A/200S</b>	0... 200A			851285
	<b>E8A/250S</b>	0... 250A			851286
	<b>E8A/300S</b>	0... 300A			851287
	<b>E8A/400S</b>	0... 400A			851288
	<b>E8A/500S</b>	0... 500A			851289
<b>E8A/600S</b>	0... 600A			851290	
<b>E8A/800S</b>	0... 800A			851291	
<b>E8A/1000S</b>	0... 1000A			851292	
	<b>Current transformer</b>				
	<b>E8T/15</b>	15/5A	wound primary	2VA cl. 0,5	852096
	<b>E8T/25</b>	25/5A	wound primary	2VA cl. 0,5	852098
	<b>E8T/40</b>	40/5A	hole Ø 21mm	1VA cl. 3	852099
	<b>E8T/50</b>	50/5A	hole Ø 22mm	2VA cl. 3	852100
	<b>E8T/60</b>	60/5A	hole Ø 22mm	2,5VA cl. 3	852101
	<b>E8T/80</b>	80/5A	hole Ø 22mm	3VA cl. 3	852102
	<b>E8T/100</b>	100/5A	hole Ø 22mm	2VA cl. 1	852103
<b>E8T/150</b>	150/5A	hole Ø 22mm	2VA cl. 0,5	852104	
<b>E8T/200</b>	200/5A	hole Ø 22mm	3VA cl. 0,5	852105	
<b>E8T/250</b>	250/5A	hole Ø 22mm	5VA cl. 0,5	852106	
<b>E8T/300</b>	300/5A	hole Ø 32mm (window 10,5 x 40,5mm)	5VA cl. 0,5	852107	
<b>E8T/400</b>	400/5A	hole Ø 32mm (window 10,5 x 40,5mm)	8VA cl. 0,5	852108	
<b>E8T/500</b>	500/5A	hole Ø 32mm (window 10,5 x 40,5mm)	10VA cl. 0,5	852109	
<b>E8T/600</b>	600/5A	hole Ø 32mm (window 10,5 x 40,5mm)	12VA cl. 0,5	852110	
<b>E8T/800</b>	800/5A	window 12,5 x 51mm	8VA cl. 0,5	852111	
<b>E8T/1000</b>	1000/5A	window 12,5 x 51mm	10VA cl. 0,5	852112	

Busbar systems

	Catalogue number	Number of phases	Number of breakers	Maximum current (A)	Reference number
<b>Insulated FORK type busbars</b>					
	EVG12	1	2	70	788560
	EVG16	1	6	70	788563
	EVG112	1	12	70	788566
	EVG1H2	1+H	2	70	788087
	EVG1H6	1+H	6	70	788089
	EVG1H8	1+H	8	70	789356
	EVG24	2	2	120	788091
	EVG26	2	3	120	789582
	EVG212	2	6	120	788169
	EVG2H4	2+H	2	120	788172
	EVG2H6	2+H	3	120	788179
	EVG2H10	2+H	5	120	788186
	EVG36	3	2	120	788644
	EVG39	3	3	120	788648
	EVG312	3	4	120	788654
	EVG3H6	3+H	2	120	788662
	EVG3H12	3+H	4	120	788817
	EVG48	4	2	120	788821
EVG412	4	3	120	788827	
EVG31N12	L1+N, L2+N, L3+N	6	120	788900	
EVG31N18	L1+N, L2+N, L3+N	9	120	788909	
H = auxiliary contact					
<b>Insulated FORK type busbars (length 1)</b>					
	EVG1M	1	56	70	788911
	EVG2M	2	29	120	788915
	EVG3M	3	19	120	788959
	EVG4M	4	14	120	789069
<b>Insulated PIN type busbars</b>					
	EVS12	1	2	70	789095
	EVS16	1	6	70	788177
	EVS112	1	12	70	788184
	EVS1H2	1+H	2	70	788191
	EVS1H6	1+H	6	70	788445
	EVS1H8	1+H	8	70	788646
	EVS24	2	2	120	788652
	EVS26	2	3	120	788660
	EVS212	2	6	120	788668
	EVS2H4	2+H	2	120	788759
	EVS2H6	2+H	3	120	788819
	EVS2H10	2+H	5	120	789122
	EVS36	3	2	120	788832
	EVS39	3	3	120	788902
	EVS312	3	4	120	788913
	EVS3H6	3+H	2	120	788919
	EVS3H12	3+H	4	120	788961
	EVS48	4	2	120	789037
EVS412	4	3	120	789040	
EVS31N12	L1+N, L2+N, L3+N	6	120	789056	
EVS31N18	L1+N, L2+N, L3+N	9	120	789071	
H = auxiliary contact					
<b>Insulated PIN type busbars (length 1)</b>					
	EVS1M	1	56	70	788567
	EVS2MR	1+N (1 module)	56	70	788568
	EVS2M	2	29	120	788569
	EVS3M	3	19	120	789358
EVS4M	4	14	120	789360	
<b>Connection Clamps</b>					
	AS/25GI	Fork			788192
	AS/25SI	Pin			788195
	AS/25SLI	Pin long			788198
	ES/35SG	For fork and pin direct busbar			788201
<b>Accessories</b>					
	<b>Insulation caps</b>				
	EVSBS	Yellow (RAL 1004)			788670
	<b>End caps for insulated PIN type busbars (1length m)</b>				
	EK1	for 1P busbars			788834
	EK2	for 2P busbars			788833
EK3	for 3P busbars			788835	
EK4	for 4P busbars			788838	

Distribution systems						
	Catalogue number	In (A)	Morsetti per fase	Section (mm <sup>2</sup> )	Dimensions L x H x P (mm)	
<b>Compact distribution system 100A - Mounted on DIN rail</b>						
	<b>AUX38056</b>	100	1 x 35mm <sup>2</sup> (1 x 35mm <sup>2</sup> ) 2 x 16mm <sup>2</sup> (6 x 16mm <sup>2</sup> ) 4 x 6mm <sup>2</sup> (4 x 6mm <sup>2</sup> )		98 x 45 x 50	
<b>Compact distribution system 160A - Mounted on DIN rail</b>						
	<b>AUX81588</b>	160			185 x 94 x 50	
<b>Distribution system 100 and 200A - Mounted on DIN rail</b>						
	<b>D104</b>	100	4 x 35mm <sup>2</sup>		160 x 100 x 130	
	<b>D108</b>	200	9 x 16mm <sup>2</sup>		240 x 100 x 130	
<b>Busbar system horizontal mounting (I<sub>cw</sub>=16kA x I<sub>s</sub>)</b>						
	<b>D9002</b>	250		20 x 5	290 x 160 x 53	
	<b>D9003</b>	400		40 x 6	424 x 250 x 90	
	<b>D9004</b>	630		40 x 8	424 x 250 x 90	
			10 x 16mm <sup>2</sup> + 2 x 35mm <sup>2</sup>			
<b>Busbar system vertical mounting (I<sub>cw</sub>=16kA x I<sub>s</sub>)</b>						
	<b>D9202</b>	250		20 x 5	1010 x 160 x 62	
	<b>D9302</b>	250		20 x 5	1400 x 250 x 80	
	<b>D9303</b>	400		40 x 6	1400 x 250 x 90	
	<b>D9304</b>	630		40 x 8	1400 x 250 x 90	

Easyctic plug-in distribution systems			
	Catalogue number	Description	
<b>Easyctic</b>			
	<b>EC2504</b>	Easyctic 3P+2N + cables 3P+N (18 black, 6 blue)	
	<b>EC2502</b>	Easyctic 3P+2N + cables mono (12 black, 12 blue)	
	<b>EC250</b>	Easyctic 3P+2N without cables	
<b>Cables for 4P Miniature Circuit Breakers</b>			
	<b>ECS120440</b>	Set 8 cables 2 x 4P 40A L=120mm - 6mm <sup>2</sup>	
	<b>ECS120463</b>	Set 8 cables 2 x 4P 63A L=120mm - 10mm <sup>2</sup>	
	<b>ECS320440</b>	Set 8 cables 2 x 4P 40A L=320mm - 6mm <sup>2</sup>	
	<b>ECS320463</b>	Set 8 cables 2 x 4P 63A L=320mm - 10mm <sup>2</sup>	
<b>Cables for 2P Miniature Circuit Breakers</b>			
	<b>ECS120240</b>	Set 8 cables 4 x 2P 40A L=120mm - 6mm <sup>2</sup>	
	<b>ECS120263</b>	Set 8 cables 4 x 2P 63A L=120mm - 10mm <sup>2</sup>	
	<b>ECS320240</b>	Set 8 cables 4 x 2P 40A L=320mm - 6mm <sup>2</sup>	
	<b>ECS320263</b>	Set 8 cables 4 x 2P 63A L=320mm - 10mm <sup>2</sup>	
<b>Plugs</b>			
	<b>ECP2</b>	Set 10 plugs for cables 1,5... 2,5mm <sup>2</sup>	
	<b>ECP6</b>	Set 10 plugs for cables 4... 6mm <sup>2</sup>	



**Note**

The grid area is designed for taking notes. It features a dark grey header bar at the top, followed by a light purple sub-header bar. The main body of the grid is white with thin black lines forming a grid pattern. The grid is approximately 30 columns wide and 60 rows high.



# AEG

**APPARECCHIATURE  
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