



## Miniature circuit breakers

### Series E90S UC

**B acc. To DIN VDE 0641 and EN 60898 6kA**  
**C acc. To DIN VDE**

### Applications

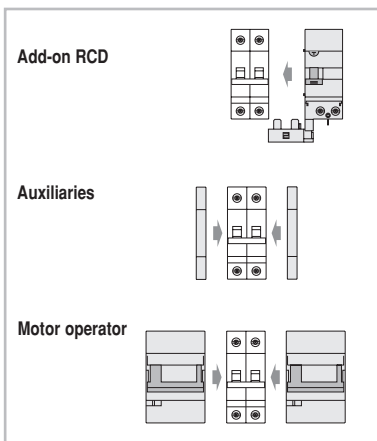


### Standard/Marking

IEC 60898-2  
 DIN VDE 0641



### Add-on devices



- Add-on RCD ● pg B.13
- Auxiliary contacts ● pg A.28
- Shunt trip ● pg A.28
- Undervoltage release ● pg A.28
- Motor operator ● pg A.28

- Accessories ● pg A.29
- Busbars ● pg C.2-4
- Dimensions ● pg A.7

### Performances

<b>Thermal setting <math>I_n</math></b>	(A)	0.5-63
<b>Rated voltage AC <math>U_n</math></b>	(V)	230/400 220/440 $\equiv$
<b>Minimum operating voltage <math>U_B</math> min</b>	(V)	12 12 $\equiv$
<b>Tripping characteristics</b>		B-C
<b>Mechanical/electrical endurance</b>		20000/10000
<b>Tropicalisation acc.to IEC 60068-2</b>		95%RH at 55°C
<b>Terminal capacity flexible/rigid cable</b>	(mm <sup>2</sup> )	25-35
<b>Poles<sup>(3)</sup></b>		1,2
<b>Weight</b>	(g/pole)	125
<b>Thermal operating limit</b>		(1.13 - 1.45) x $I_n$
<b>Magnetic operating</b>		B: (3 - 5) x $I_n$ C: (5 - 10) x $I_n$

### Short-circuit capacity

#### AC/DC acc. to IEC 60898-2

Poles	V	$I_{cn}=I_{cs}$ (kA) <sup>(1)</sup>
1	125 DC	10
	220 DC	6
	230/400 AC	6
2	250 DC	10
	440 DC	6
	400 AC	6

#### AC acc. to IEC 60947-2 (2)

Poles	V	$I_{cu}$ (kA)
1/2	240	10

(1) Up to 40A included; 50 and 63A: 4500 T = 4ms

(2) On request

(3) Polarity labeling to be respected due to the permanent magnet in the MCB

## Series E90S UC - 6kA - AC/DC MCB's



1P

2



1



+

Pole width	Rated current [A]	B		C		Pack.
		Cat. No.	Ref. No.	Cat. No.	Ref. No.	
	0.5	-	-	E91S UC C0.5	553304	12
	1	-	-	E91S UC C01	553305	12
	2	-	-	E91S UC C02	553306	12
	3	-	-	E91S UC C03	553307	12
	4	-	-	E91S UC C04	553308	12
	6	E91S UC B06	553271	E91S UC C06	553309	12
	8	E91S UC B08	553272	E91S UC C08	553310	12
	10	E91S UC B10	553273	E91S UC C10	553311	12
	13	E91S UC B13	553274	E91S UC C13	553312	12
	16	E91S UC B16	553275	E91S UC C16	553313	12
	20	E91S UC B20	553276	E91S UC C20	553314	12
	25	E91S UC B25	553277	E91S UC C25	553315	12
	32	E91S UC B32	553278	E91S UC C32	553316	12
	40	E91S UC B40	553279	E91S UC C40	553317	12
	50	E91S UC B50	553280	E91S UC C50	553318	12
	63	E91S UC B63	553281	E91S UC C63	553319	12



2P

2



4



3



1



-

	0.5	-	-	E92S UC C0.5	553320	6
	1	-	-	E92S UC C01	553321	6
	2	-	-	E92S UC C02	553322	6
	3	-	-	E92S UC C03	553323	6
	4	-	-	E92S UC C04	553324	6
	6	E92S UC B06	553290	E92S UC C06	553325	6
	8	E92S UC B08	553291	E92S UC C08	553326	6
	10	E92S UC B10	553292	E92S UC C10	553327	6
	13	E92S UC B13	553293	E92S UC C13	553328	6
	16	E92S UC B16	553294	E92S UC C16	553329	6
	20	E92S UC B20	553295	E92S UC C20	553330	6
	25	E92S UC B25	553296	E92S UC C25	553331	6
	32	E92S UC B32	553297	E92S UC C32	553332	6
	40	E92S UC B40	553298	E92S UC C40	553333	6
	50	E92S UC B50	553299	E92S UC C50	553334	6
	63	E92S UC B63	553300	E92S UC C63	553335	6

## Dimensions - Series E90S UC

