



**E 90 fuse-disconnectors**

E 90 series fuse-disconnectors are designed for connecting and disconnecting circuits under load, providing protection against short circuits and overloads. The case is made of self-extinguishing thermoplastic material resistant to high temperatures (all materials are UL listed) while the contact clips are in silver plated copper.

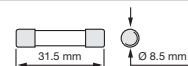
E 90 fuse-disconnectors can be sealed or padlocked to ensure operator safety during maintenance. Versions with blown fuse indicator allow to check whether the fuse is still working correctly or not. For easy and quick installation E 90 range is fully compatible with connecting bars, terminals and caps of S 200 MCBs



**E 90 fuse-disconnectors for 10.3 x 38 mm fuses (AC-22B)**

Poles	Rated current In	Modules	Order details Type code	Order code	Bbn 8012542 EAN	Price 1 piece	Price group	Weight 1 piece kg	Pack unit pc.
1	32	1	<b>E 91/32</b>	2CSM200923R1801	<b>009238</b>			0.061	6
1	32	1	<b>E 91/32s</b>	2CSM202483R1801	<b>024835</b>			0.062	6
1+N	32	2	<b>E 91N/32</b>	2CSM200893R1801	<b>008934</b>			0.130	3
2	32	2	<b>E 92/32</b>	2CSM200883R1801	<b>008835</b>			0.122	3
3	32	3	<b>E 93/32</b>	2CSM204753R1801	<b>047537</b>			0.183	2
3+N	32	4	<b>E 93N/32</b>	2CSM204733R1801	<b>047339</b>			0.252	1
4	32	4	<b>E 94/32</b>	2CSM204723R1801	<b>047230</b>			0.244	1
N	32	-	<b>E 9N</b>	2CSM277953R1801	<b>779537</b>			0.069	6

s: version with blown fuse indicator light



**E 90 fuse-disconnectors for 8.5 x 31.5 mm fuses (AC-22B)**

1	20	1	<b>E 91/20</b>	2CSM200983R1801	<b>009832</b>			0.061	6
1	20	1	<b>E 91/20s</b>	2CSM202423R1801	<b>024231</b>			0.062	6
2	20	2	<b>E 92/20</b>	2CSM200953R1801	<b>009535</b>			0.122	3
3	20	3	<b>E 93/20</b>	2CSM200943R1801	<b>009436</b>			0.183	2
N	20	-	<b>E 9N</b>	2CSM277953R1801	<b>779537</b>			0.069	6

s: version with blown fuse indicator light

**Technical features**

Type	E 90/20	E 90/32
Fuse	8 x 32	10 x 38
Kind of current		AC / DC
Rated frequency	[Hz]	= / 50-60
Rated current	[A] 20	32
Tightening torque	[Nm]	PZ2 2-2.5
Protection degree		IP20
Padlocked (open)		■
Sealed (closed)		■

**IEC 60947-3**

Rated operational voltage	[V]	400	690
Utilization category		AC-22B / DC-20B	
Power consumption per pole	aM [W]	0.9	1.2
	gG [W]	2.5	3.0

**IEC 60269-1**

Rated voltage AC	[V]	400	690
Rated voltage DC	[V]	400	690

**IEC 60269-2**

Fuse system		F	
Rated voltage AC	[V]	400	690
Rated voltage DC	[V]	250	440
Minimum rated breaking capacity		50 AC – 25 DC	

**IEC 60269-3**

Fuse system		B	
Rated voltage AC	[V]	400	

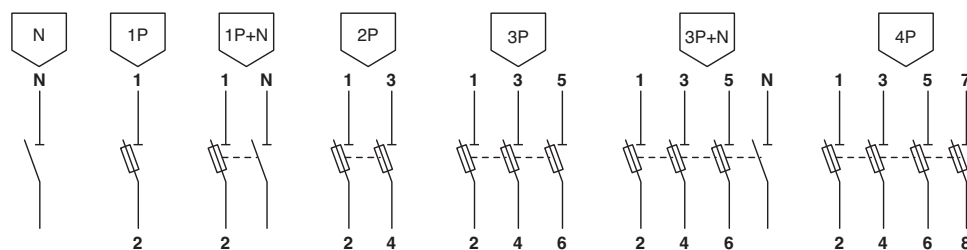
**Materials**

<b>Plastic parts</b>	Case:	Material PA 6 +30% glass fibre
		Self extinguishing class: V2 (UL94)
		Temperature resistance: 130 °C
	Opening handle	Material PA 66 +25% glass fibre
Self-extinguishing class V0 (UL94)		
Temperature resistance: 140 °C		
<b>Metal parts</b>	Clips	Silver plated copper
	Clip spring	Stainless steel
	Terminals	Galvanized steel

**Utilization category**

Current type	Utilization category	Typical applications
<b>Alternating current</b>	AC-20A - AC-20B	Connecting and disconnecting under no load (in this case the devices must be marked "Do not disconnect under load")
	AC-21A - AC-21B	Switching of resistive loads, including moderate overloads
	<b>AC-22A - AC-22B</b>	Switching of mixed resistive/inductive loads, including moderate overloads
	AC-23A - AC-23B	Switching of motors and other highly inductive loads
<b>Direct current</b>	<b>DC-20A - DC-20B</b>	Connecting and disconnecting under no load (in this case the devices must be marked "Do not disconnect under load")
	DC-21A - DC-21B	Switching of resistive loads, including moderate overloads
	DC-22A - DC-22B	Switching of mixed resistive / inductive loads, including moderate overloads
	DC-23A - DC-23B	Switching of motors or other highly inductive loads
	Suffix A	Frequent use
	Suffix B	Infrequent use

**Electrical symbols**



**Multi-pole coupling**

