



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

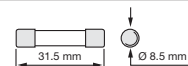
E 90 fuse-disconnectors for 10.3 x 38 mm fuses (AC-22B)



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	E 91/32	2CSM200923R1801	009238			0.061	6
1	32	1	E 91/32s	2CSM202483R1801	024835			0.062	6
1+N	32	2	E 91N/32	2CSM200893R1801	008934			0.130	3
2	32	2	E 92/32	2CSM200883R1801	008835			0.122	3
3	32	3	E 93/32	2CSM204753R1801	047537			0.183	2
3+N	32	4	E 93N/32	2CSM204733R1801	047339			0.252	1
4	32	4	E 94/32	2CSM204723R1801	047230			0.244	1
N	32	-	E 9N	2CSM277953R1801	779537			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	E 91/20	2CSM200983R1801	009832			0.061	6
1	20	1	E 91/20s	2CSM202423R1801	024231			0.062	6
2	20	2	E 92/20	2CSM200953R1801	009535			0.122	3
3	20	3	E 93/20	2CSM200943R1801	009436			0.183	2
N	20	-	E 9N	2CSM277953R1801	779537			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
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	

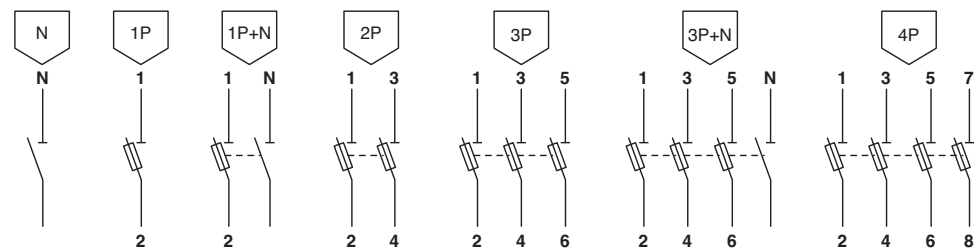
Materials

Plastic parts	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
Metal parts	Clips	Silver plated copper
	Clip spring	Stainless steel
	Terminals	Galvanized steel

Utilization category

Current type	Utilization category	Typical applications
Alternating current	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
	AC-22A - AC-22B	Switching of mixed resistive/inductive loads, including moderate overloads
	AC-23A - AC-23B	Switching of motors and other highly inductive loads
Direct current	DC-20A - DC-20B	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

