

# Flexible insulated busbars, SEI type

## FEATURES & BENEFITS

- ☒ conductive part made of ECU-58 type electrochemical copper
- ☒ high mechanical and electric strength of busbar insulation
- ☒ rated working voltage 1,000 V AC / 1,500 V DC

## APPLICATION

LV switchboards.

## MECHANICAL DATA

<b>Material</b>	conductive elements: ETP copper (Cu content >99,9%); insulation: PVC, self-extinguishing
<b>Insulation thickness [mm]</b>	2
<b>Ambient temperature [°C]</b>	-40 ÷ +105
<b>Tensile strength (Cu)</b>	> 200 N/cm <sup>2</sup>
<b>Cracking strength (PVC)</b>	20 Mpa

## ELECTRICAL DATA

<b>Resistivity of conductive elements (20°C)</b>	1,724 mΩ/cm
<b>Conductive element conductivity</b>	200 IACS
<b>Insulation strength [kV/mm]</b>	20
<b>Rated voltage [V AC]</b>	1000 / 1500

## CERTIFICATES & STANDARDS

<b>Flammability class</b>	UL 94 V0
<b>Standards</b>	NFA 51050, DIN 40500, IACS, BS 6746, VDE 207

## NOTE!

SEI rail marking:

SEI AxBxC/L  
A – quantities of Cu layers[szt.]  
B – width of Cu layers [mm]  
C – thickness of Cu layer [mm]  
L – rail length [m]



Type	Index Ergom	I <sub>max</sub> (55°C) (DIN 43671) [A] Δt = 20°C	I <sub>max</sub> (65°C) (DIN 43671) [A] Δt = 30°C	I <sub>max</sub> (85°C) (DIN 43671) [A] Δt = 50°C	I <sub>pk</sub> [kA]	Cross-section [mm <sup>2</sup> ]	Weight [kg]
SEI 3X9X0,8/2	R32RZ-02010100201	83	158	224	4	21,6	0,234
SEI 6X9X0,8/2	R32RZ-02010100501	177	147	196	8	43,2	0,433
SEI 4X15,5X0,8/2	R32RZ-02010100801	197	201	267	9	49,6	0,503
SEI 6X15,5X0,8/2	R32RZ-02010101001	255	252	335	14	74,4	0,728
SEI 10X15,5X0,8/2	R32RZ-02010101101	281	330	439	24	124	1,178
SEI 2X20X1/2	R32RZ-02010101201	172	188	250	7	40	0,427
SEI 3X20X1/2	R32RZ-02010101301	222	237	315	11	60	0,607
SEI 4X20X1/2	R32RZ-02010101401	249	278	370	15	80	0,788
SEI 5X20X1/2	R32RZ-02010101501	259	319	424	19	100	0,969
SEI 6X20X1/2	R32RZ-02010101601	285	355	472	23	120	1,15
SEI 10X20X1/2	R32RZ-02010101801	397	497	661	39	200	1,872
SEI 2X24X1/2	R32RZ-02010101901	235	201	267	9	48	0,509
SEI 3X24X1/2	R32RZ-02010102001	256	276	367	14	72	0,725

Type	Index Ergom	$I_{\max}$ (55°C) (DIN 43671) [A] $\Delta t = 20^{\circ}\text{C}$	$I_{\max}$ (65°C) (DIN 43671) [A] $\Delta t = 30^{\circ}\text{C}$	$I_{\max}$ (85°C) (DIN 43671) [A] $\Delta t = 50^{\circ}\text{C}$	$I_{pk}$ [kA]	Cross-section [mm <sup>2</sup> ]	Weight [kg]
SEI 4X24X1/2	R32RZ-02010102101	288	359	477	19	96	0,941
SEI 5X24X1/2	R32RZ-02010102201	318	369	491	23	120	1,158
SEI 6X24X1/2	R32RZ-02010102301	351	407	541	28	144	1,374
SEI 8X24X1/2	R32RZ-02010102401	417	483	642	38	192	1,807
SEI 10X24X1/2	R32RZ-02010102501	456	559	743	47	240	2,239
SEI 2X32X1/2	R32RZ-02010102601	252	289	384	12	64	0,673
SEI 3X32X1/2	R32RZ-02010102701	296	359	477	19	96	0,96
SEI 4X32X1/2	R32RZ-02010102801	340	418	550	25	128	1,248
SEI 5X32X1/2	R32RZ-02010102901	397	477	634	31	160	1,536
SEI 6X32X1/2	R32RZ-02010103001	443	526	700	38	192	1,823
SEI 8X32X1/2	R32RZ-02010103101	533	683	829	50	256	2,398
SEI 10X32X1/2	R32RZ-02010103201	642	721	959	63	320	2,973
SEI 5X40X1/2	R32RZ-02010103601	471	573	762	39	200	1,913
SEI 6X40X1/2	R32RZ-02010103701	530	812	1057		240	2,272
SEI 8X40X1/2	R32RZ-02010103801	642	739	983	63	320	2,969
SEI 10X40X1/2	R32RZ-02010103901	728	850	1131	79	400	3,707
SEI 5X50X1/2	R32RZ-02010104301	572	697	927	49	250	2,385
SEI 6X50X1/2	R32RZ-02010104401	639	976	1270		300	2,833
SEI 8X50X1/2	R32RZ-02010104501	725	891	1185	79	400	3,729
SEI 10X50X1/2	R32RZ-02010104601	860	1020	1357	100	500	4,624
SEI 5X63X1/2	R32RZ-02010105001	637	826	1089	62	315	2,999
SEI 6X63X1/2	R32RZ-02010105101	751	942	1253	25	378	3,563
SEI 8X63X1/2	R32RZ-02010105201	863	1038	1361	100	504	4,69
SEI 10X63X1/2	R32RZ-02010105301	990	1180	1569	125	630	5,816
SEI 5X80X1/2	R32RZ-02010105701	727	1070	1423	80	400	3,802
SEI 6X80X1/2	R32RZ-02010105801	749	1156	1537	95	480	4,517
SEI 8X80X1/2	R32RZ-02010105901	991	1328	1766	120	640	5,946
SEI 10X80X1/2	R32RZ-02010106001	1097	1500	1995	150	800	7,376
SEI 5X100X1/2	R32RZ-02010106401	853	1300	1729	90	500	4,746
SEI 8X100X1/2	R32RZ-02010106601	1121	1606	2136	160	800	7,425
SEI 10X100X1/2	R32RZ-02010106701	1226	1810	2407	200	1000	9,21
SEI 12X100X1/2	R32RZ-02010106801	1304	2362	2756		1200	10,996