



TÜRK LOYDU

TYPE APPROVAL CERTIFICATE

This Certificate consists of 3 pages.

This is to certify that the

**BUSBAR ISOLATORS/SUPPORTS FOR
MARINE TYPE SWITCHBOARDS**

With type designations

S-BAR ISOLATOR/SUPPORTS: BRIZS3P-2, BRIZS4P-2,
K-BAR ISOLATOR/SUPPORTS: BRIZK1P, BRIZK3P, BRIZK4P

Manufactured by

TEMPA PANO SANAYİ VE TİCARET ANONİM ŞİRKETİ

Is found to comply with

TÜRK LOYDU RULES, Part E, Chapter 105 (January 2016)
TÜRK LOYDU RULES, Part B, Chapter 5 (July 2019)

Application	: For marine type switchboard
Design	: Isolated busbar system upto 1000VAC, Withstand tested to 75 kA 1s short circuit for S-BAR isolators, Withstand tested to 100 kA 0,2s short circuit for K-BAR isolators, Construction according to IEC 60439-1
Sizes	: acc. to approved drawings
Address of Manufacturer	: Makina İhtisas Sanayi Organize Bölgesi 2. Cd. No:1 Demirciler Köyü 41455 Dilovası / KOCAELİ
Place and date	: ISTANBUL / 13.10.2020

Subject to the conditions referred to in the following pages, this certificate is valid until 16.10.2025.


Emrah SÖĞÜTÇÜ
New Building Division Manager





TÜRK LOYDU

ANNEX 1

BRIZS3P-2, BRIZS4P-2 MAXIMUM INSTALLATION DISTANCES (mm) for 5mm width BUSBARS						
BUSBAR mmxmmxpiece	SHORT CURRENT CIRCUIT	PEAK RMS	40 kA 20 kA	63 kA 30 kA	84 kA 40 kA	110 kA 50 kA
	40x5x1		440	280	210	170
	40x5x2		400	250	190	155
	50x5x1		500	320	240	190
	50x5x2		460	290	220	175
	60x5x1		550	350	260	210
	60x5x2		520	330	250	200
	80x5x1		640	410	310	250
	80x5x2		640	410	300	245
	100x5x1		750	470	350	285
	100x5x2		750	480	360	285

BRIZS3P-2, BRIZS4P-2 MAXIMUM INSTALLATION DISTANCES (mm) for 10mm width BUSBARS						
BUSBAR mmxmmxpiece	SHORT CURRENT CIRCUIT	PEAK RMS	40 kA 20 kA	84 kA 40 kA	132 kA 60 kA	165 kA 75 kA
	30x10x1		750	360	230	185
	30x10x2		670	320	200	160
	40x10x1		880	420	270	215
	40x10x2		800	380	245	195
	50x10x1		1000	480	300	240
	50x10x2		920	440	280	225
	60x10x1		1000	520	330	265
	60x10x2		1000	500	320	250
	80x10x1		1200	620	390	310
	80x10x2		1200	610	390	310
	100x10x1		1200	700	450	360
	100x10x2		1200	720	450	360
	120x10x1		1200	780	500	400
	120x10x2		1200	820	525	400
	160x10x1		1200	950	600	440
	160x10x2		1200	1000	650	460

BRIZK3P, BRIZK4P MAXIMUM INSTALLATION DISTANCES (mm)						
BUSBAR mmxmm	SHORT CURRENT CIRCUIT	PEAK RMS	40 kA 20 kA	63 kA 30 kA	84 kA 40 kA	100 kA 50 kA
	K-BAR 38x36		750	550	450	370
	K-BAR 64x36		1000	750	600	500
	K-BAR 100x36		1300	1000	800	650


O. Yalçın YALMAN
Surveyor