

TECHNICAL DATA

TECHNO MODULAR SWITCHBOARDS

GENERAL DATA

DATA TYPE	DESCRIPTION
Type	Low voltage power distribution, motor control centres, PLC & DCS panel boards
Installation	Indoor
Mounting possibilities	Floor standing / Wall mounting
Frame work	2mm Electro Gal MS & powder coated
Door/Cover	1.5mm MS, powder coated
Standard colours	Grey RAL7032 / Orange RAL2000 (non standard colours on request)
Coating	Epoxy/polyester powder, thickness >60µm

MECHANICAL DATA

DATA TYPE	DESCRIPTION
Field/Tier Arrangement	Front connected / back to back
Cable Entry	Top / Centre / Bottom
Access	Front / Rear
IP Rating	IP43, IP55
IK Rating	IK 10
Form of Segregation	2a, 2b, 3a, 3b, 4a, 4b
Max. dimensions of a transport section (Basic module 200 x 200 x 200)	Width - 2400mm, Height - 2400mm, Depth - 2400mm

ELECTRICAL DATA

DATA TYPE	DESCRIPTION
Rated operations voltage (Ue)	415 / 690 / 1000V
Rated insulation voltage (Ui)	690V / 1000V
Rated frequency (f)	50Hz
Rated impulse voltage (Uimp)	12kV
Rated current (In) for TM panels	Up to 7100A
Rated short time current (Icw)	Up to 100kA / 1s & 50kA / 3s
Pollution degree	3
Earthing systems	TN-C, TN-S, TN-C-S, TT, IT

TEST / APPROVALS

DATA TYPE	DESCRIPTION
Design verification test	Design verified according to AS/NZS 61439-1&2:2016
Internal Arcing Fault test	According to AS/NZS 61439:1:2016 Appendix ZD or IEC TR 61641 (if required by specification)
Vibration test	According to IEC68-2-6 & IEC68-2-36
Seismic test	According to IEC68-3-3