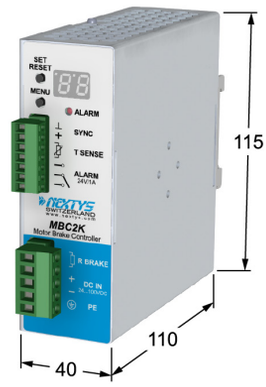
MBC2K – 2000W DIN Rail Motor Brake Controller

- Digital Display Interface
- Universal Input DC BUS: 24…100Vdc
- Maximum Braking Current: 50A
- User settable Braking threshold and Hysteresis
- Various integrated protection



For reference only

TECHNICAL DATA

	MBC2K
GENERAL DATA	
DC BUS Voltage range	24…110Vdc
Maximum Braking current	50A for 1s
Brake activation voltage	27…106Vdc, threshold adjustable in 20 steps
Brake voltage hysteresis	3Vdc or 6Vdc selectable
User interface	2 setup push buttons (SET/RESET and MENU) 2 x 7 segment LED displays 1 LED for general alarm indication 1 SPDT Dry contact for general alarm remote warning
Protections	Undervoltage on DC BUS < 22Vdc Overvoltage on DC BUS > 110Vdc Brake resistor overtemperature (if the temperature sensor is present) Module Internal overtemperature > 90°C (194°F) Brake resistor interrupted or not connected Short circuit: braking current > 80A Overload: braking time > 1s
Parallel connection	Up to 4 units can be connected in parallel through synchronization bus for a total braking power of 8kW (4 x 2kW braking resistors are needed)
Dissipated power	< 20W Max
Operating temperature	- 20°C…+ 70°C
Derating	No derating
Overvoltage category	I
Pollution degree	2 (IEC 664-1)
Input / ground isolation	0.75kVdc
Standards & Approvals	EN60950 for SELV use up to 60Vdc using the MBC2K at voltages greater than 60Vdc is not classifiable as SELV, CE marking
EMC Standards	EN55011 Class B
Protection degree	IP20 acc. to EN60529
Connection terminals Input	2.5mm², screw type pluggable (24…12AWG)
Connection terminals Output	2.5mm², screw type pluggable (24…12AWG)
Connection terminals signals	1.5mm², screw type pluggable (24...12AWG)
Case material	Aluminum
Approx. Weight	0.200kg
Size (W x H x D)	40.0 x 115.0 x 110.0mm
Mounting rail	IEC 60715/H15/TH35-7.5(-15)
Rail mounting information	Vertical, allow 10mm spacing between adjacent items