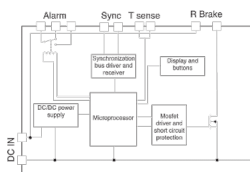




Block Diagram



## Electronic motor brake controller

Code	XMBC2K
Type	MBC2K (1)
HS code	85044083, 85044030
<b>INPUT TECHNICAL DATA</b>	
DC bus range	24...100 Vdc
Maximum braking current	50 A for 1 s
Operating voltage braking	27...106 V, threshold adjustable in 20 steps
Threshold hysteresis	3 V or 6 V switchable
User interface	2 setup buttons (SET/RESET and MENU) Two 7-segment displays 1 LED alarm status indicator (general) 1 SPDT remote failure contact (general)
Protection	Under DC bus voltage ( 110 Vdc) Braking resistor overtemperature (only where a thermostat is connected to the resistor) Module internal over temperature (temp. > 90°C)
Parallel connection	Up to 4 MBC2Ks can be connected in parallel and synchronised through the bus to obtain a total peak braking power of 8 kW (with four 2 kW braking resistors).
<b>GENERAL TECHNICAL DATA</b>	
Dissipated power	20 W
Operating temperature range	0...+70°C
Input / ground isolation	500 Vac / 60s
Standard / approvals	EN60950 for SELV use up to 60 Vdc; use at higher voltages is not SELV classifiable
EMC Standard	EN55011 Class B
Overvoltage category / pollution degree	II / 2
Protection degree	IP 20
Connection terminal	2.5 mm <sup>2</sup> / 2.5 mm <sup>2</sup>
Housing material	aluminium
Dimensions (LxHxD)	39x128x115
Approximate weight	200 g
Mounting information	vertical on a rail, 10 mm from adjacent components
<b>ACCESSORIES</b>	
Mounting rail (IEC60715/TH35-7.5)	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB
APPROVALS AND MARKINGS	CE



\* 20 threshold levels\* Braking power until 2 kW\* Braking power until 8 kW, with allowable parallel connection\* Simple function programming\* Braking resistor temperature control  
1 (1) Produced on demand, contact our sales office for availability

## DESCRIZIONE DEL PRODOTTO

MBC2K Electronic motor  
brake controller