

# DMR SERVO DRIVES

The DMR series is a series of customized drives dedicated to logistic automation market. The series features two models: DMR 50-5/50 and DMR76-10/65, designed and manufactured for driving gearless motorollers, exploiting its technological advantages based on direct drive without any gear for motion transmission.

## DMR 50-5/50 FEATURES

- > **DUAL AXES OPERATION CAPABILITY**
- > **PERFECT MATCH WITH GEARLESS MOTOROLLER MTR46**
- > **I/O PROGRAMMABILITY**
- > **FUSE PROTECTION**
- > **CROSSBELT FUNCTIONALITY**
- > **CONVEYOR FUNCTIONALITY**
- > **SPEED AND ACCELERATION PROGRAMMABILITY**
- > **HALL SENSOR AND ENCODER FEEDBACK**
- > **DMR BROWSER SOFTWARE INTERFACE**
- > **RS 485 PROGRAMMING INTERFACE**
- > **CAN OPEN FIELDBUS**
- > **PHOTO EYE SUPPORT**
- > **2 INPUT, 2 OUTPUT RELAY EACH AXIS**



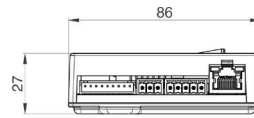
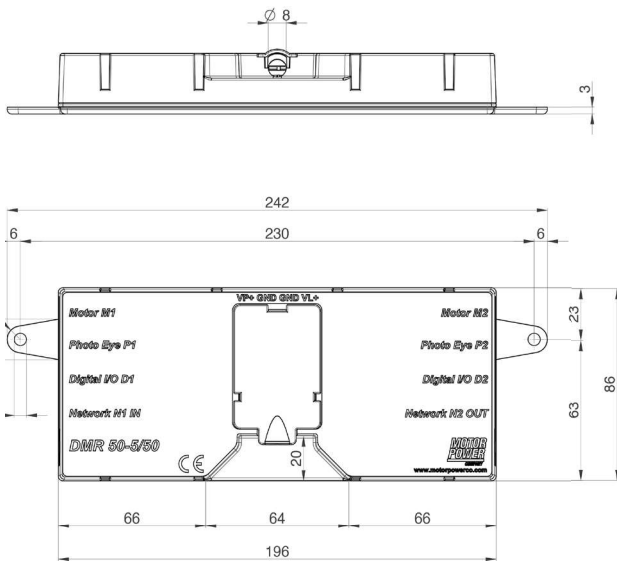
## DMR 50-5/50 PRODUCT DATA

FEATURE	UNITS	DMR 50-5/50
Rated output power	W	180 each axis
Efficiency at rated power	%	>95
Operating supply voltage	Vdc	12-60
Typical supply voltage	Vdc	48
Maximum operating voltage	Vdc	80
Auxiliary supply voltage		24 V (8-30)
Rated output current	Arms	5
Peak output current	Arms	15
Peak time	s	3
PWM switching frequency	kHz	16 kHz
Maximum output frequency	Hz	<600
Commutation		Sinusoidal and space vector
Dimensions	WxDxH mm	196x70x27
Working temperature	°C	-20 ÷ +55
Storage temperature	°C	-40 ÷ +75
Humidity	%	85% not condensing
Altitude without derating	m	1000
IP protection	IP	20

SEE IT BEFORE IT HAPPENS



## DMR 50-5/50 PRODUCT DIMENSIONS



Dimensions in mm

## DMR 50-5/50 PRODUCT DATA

### MOTOR CONNECTION

PIN	NAME
1	Phase U
2	Phase V
3	Phase W
4	Thermal sensor
5	Power supply 5V
6	0V
7	Hall U/Inc A
8	Hall V/Inc B
9	Hall W/Inc Z

### PHOTO EYE INPUT

PIN	NAME
1	24V
2	GND
3	Photo eye input

### POWER CONNECTION

PIN	NAME
1	24V logic
2	0 V
3	48 V power

### I/O DEFINITION

PIN	DIRECTION	FUNCTION
1	Input	Enable
2	Input	Dir
3	Input	Analog Input
4	Output	Fault
5	Output	Configurable