CMC1

DC Motor controller with adjustable start and breaking ramps for DC motors up to 384W

Type: CMC1/DC12-24V

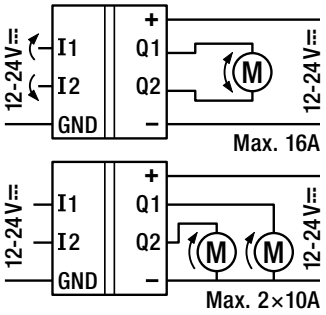
The CMC is a control device for DC motors and permits operation in both rotating directions, i. e. the rotating direction can be reversed with the input signal. Alternatively, two motors can be operated in the same direction.
The CMC1 allows also to control lamps or electromagnets. The start and breaking ramps of the connected loads can be adjusted by two potentiometers in the time range 0 - 4 seconds.

Maximum load	**16 A / 24 V**
Outputs	**Drive**
Type	MOSFET
Nominal switching current	16 A
Inrush current	20 A (short-term)
Nominal voltage	24 V
Switching power	384 W
Control input V_n =	**12-24 V**
Nominal operating voltage range (DC)	12 – 24 V
Admissible voltage range (DC)	8 – 28 V
Current consumption	DC
12 V	3 mA
24 V	6 mA
Power supply	
Nominal operating voltage (DC)	12 – 24 V
Operating voltage (DC)	8 – 28 V
Max. current consumption without load	10 mA
Max. power consumption	DC
12 V	120 mW
24 V	240 mW
General Specifications	
Ambient temperature storage/operation	-40 – +85°C / -25 – +60°C
Connection terminals	Screw terminal 2.5 mm^2
DC voltage endurance at rated load	> 100 000 h (at 25 °C)
Ingress protection degree	IP 20
Mounting	DIN rail TS35
Housing material	Aluminium
Weight	80 g

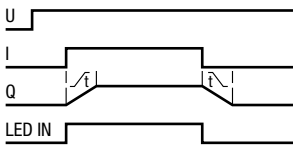
Standard types

DC 12-24	**CMC1/DC12-24V**

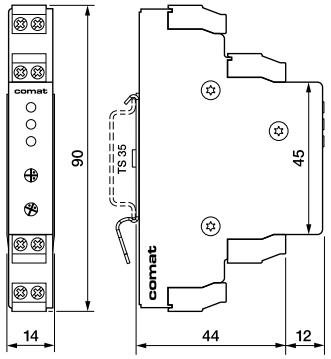
Connection diagram



Function diagramm



Dimensions [mm]



Technical approvals, conformities