

# KDM3-24



DC motor relay | 1 output for motor | 1 output for braking resistor | faston

### Power supply

Nominal voltage	12 ... 24 V DC
Operating voltage range	9 ... 28 V DC
Power consumption 12 V DC	36 mW
Power consumption 24 V DC	24 mW

### Main circuit

Output type	FET PNP
Output voltage range	10 ... 32 V DC
Rated current	3 A
Maximum inrush current	20 A, 1 s

### Control circuit

Nominal operating current range	3 mA @ 12 V DC / 10 mA @ 24 V DC
---------------------------------	----------------------------------

### General data

Ambient temperatur storage (no ice)	-40 ... 85 °C
Ambient temperatur operation	-25 ... 60 °C
Dimension	fig. 4.
Weight	27 g
Protection degree	IP 40
Housing material	Noryl
Mounting	Faston

### Product reference

Description	Type	12-24
DC	KDM3-24/DC...V R	✓

Other voltages on request. Please contact support@comatreleco.com.

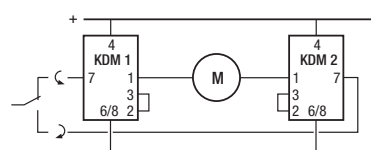
«...» List coil voltage to complete product references

### Accessories

Socket	S7-C
--------	------

### Application example

Four quadrant (forward / reversed) motor control



Operating with brake resistors (on 2-3) is not recommended in this application.



fig. 1. Wiring diagram

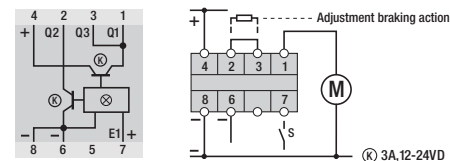


fig. 2. Function diagram

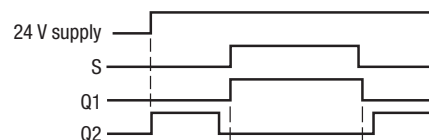


fig. 3. Output current vs. duty cycle

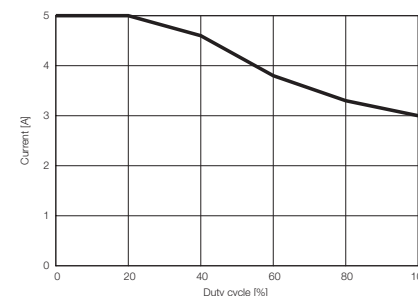
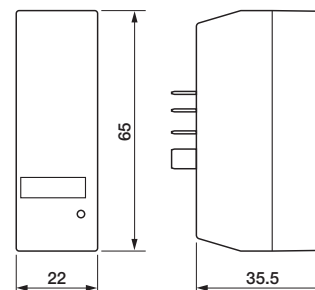


fig. 4. Dimension (mm)



### Standards and approvals

Standards EN 50081-1; EN 50082-2;  
IEC/EN 61000-4-5

Approvals