KALEJA GmbH
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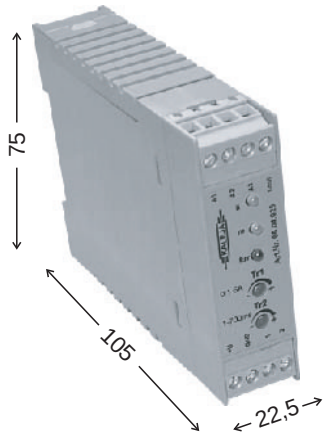
Motorcontrol for brush sticking direct current motor 12VDC



Implementation for switching current up to 5A

With change of rotation

To snap onto DIN - rail EN 50022

Construction width: 22,5mm

Short designation / type	Rated voltage: 12VDC M-MWI-5-12
Art. - No.	**06.04.046**
Technical data: input circuit	
Rated voltage / threshold voltage	12VDC
Range of rated voltage min. / max.	9V to15VDC
Input current during rated voltage	10mA
Status indicator	LED 3mm yellow
Technical data: output circuit	**MOS-FET**
Range of switching voltage / motor voltage	9V to 15VDC
Max. permanent load current	5A
Impulse current	10 A
Switching frequency	50 Hz by 5A
Current sensing by short-circuit	95A
Switch-off time after short-circuit	80 - 400 µs
Other data	
Ambient temperature range	-20°C to + 50°C
Case	plastic IP20
Absence of vibration a/r (10...500Hz)	> 20 / 5
Overload protection / short-circuit-proof / temperature monitoring	yes / yes / yes
DIN VDE-determinations	VDE 0110, 0160 in parts
Position of installation	can be snapped, addable
Mode of connection: screw terminal	single wire 4mm², fine wire 2,5mm²
Dimensions: W x D x H	22,5mm x 75mm x 105mm

Description

When blocking the control protect the motor for incorrect high current. If the motor current rise over the set Value (Tr1), the control switch off the motor with dynamical braking.
By that at run-up of the Motor the Current Evaluation don´t respond, is a temporal adjustable fade-out function (Tr2) of protection during that time active.
Rise at operation the Motor current over the setting Value, the Motor will switch-off and stay suspended till the next RESET. The Message Output (I - OUT) will set on HIGH (+VCC) . LED red (ERR) lightning.
RESET-functions: - LOW (0V) at inputs A1 and A2.
- HIGH (+VCC) at input A3

Block diagram