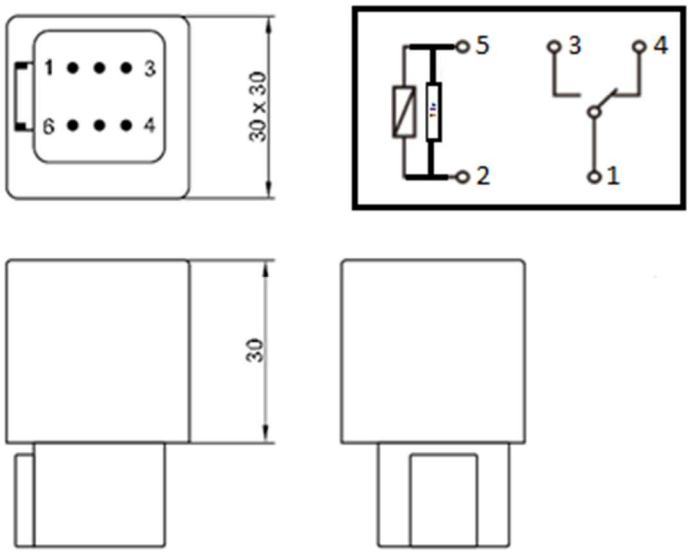
Datenblatt
Artikelnummer: MINS1xxCDT

Technische Daten:

Nennspannung:	12V oder 24V
Betriebsspannung:	12V oder 24V
Eingesetztes Relais:	CVEP MAD Serie
Gwicht:	ca. 45g
Schutzgrad:	IP67
Anschlußstecker:	Deutsch DT-F13-6P
Vergußmasse:	Polyurethanharz
Zulässige Umgebungstemperatur:	-40°C bis +85°C
Montage:	Optional mit Einstecklasche
Polarität ist zu beachten!	Pin (1) = „+“ – Pin (6) = „-„

Techn. Zeichnung und Schaltbild:



MAD Relais Serie 12V oder 24V – Technische Daten:

CONTACT PARAMETERS

Contact Arrangement	1A、1B、1C
Contact Material	Silver Alloy
Voltage Drop(Initial)	NO: Typ. 100mV, Max. 300mV (at 10A)
	NC: Typ. 100mV, Max. 300mV (at 10A)
Max. Continuous Current	NO: 20A
	NC: 15A
Max. Switching Voltage	30 VDC
Electrical Life	1×10^5 OPS
Mechanical Life	1×10^6 OPS

FUNCTION PARAMETERS

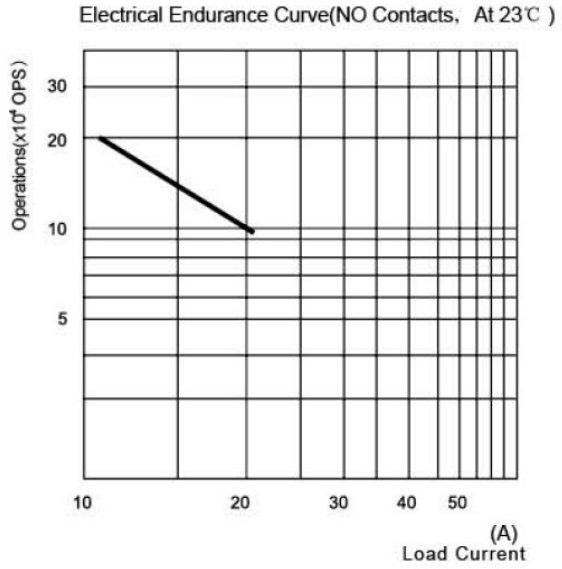
Insulation Resistance	100MΩ (500VDC)
Dielectric Strength	Between Coil & Contacts: 500VAC 1min
	Between Open Contacts: 500VAC 1min
Operate Time	≤10ms
Release Time	≤5ms
Ambient Temperature	-40℃ ~+85℃
Vibration	10Hz~500Hz, 49m/s^2(5G)
Shock	98m/s^2 (10G)
Terminal Form	PCB
Construction	Sealed, Flux Proofed
Unit Weight	Approx. : 6g

COIL DATA(23℃)

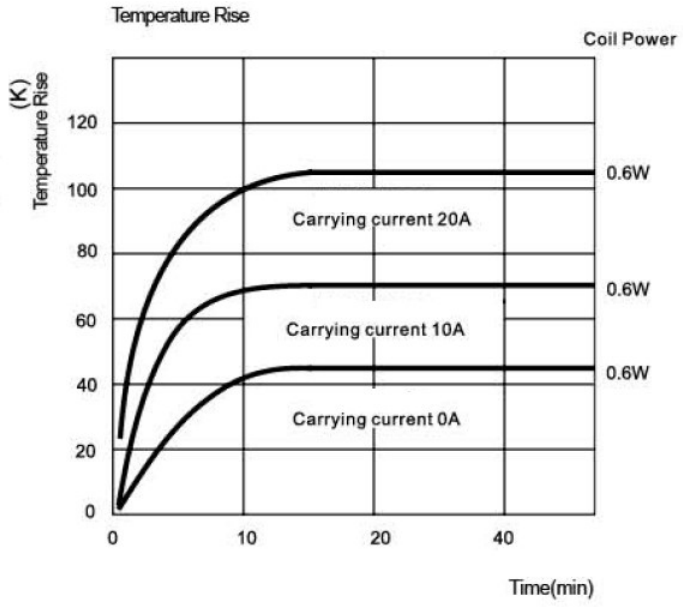
Rated Voltage VDC	Operate Voltage VDC	Release Voltage VDC	Coil Resistance Ω ± 10%	Coil Power W	Max Allowable (1) Overdrive Voltage VDC	
					20℃	85℃
6	≤3.6	≥0.5	60	0.6	9.7	7.3
9	≤5.4	≥0.7	135		12.1	8.6
12	≤7.3	≥1.0	240		15.6	13.8
18	≤10.8	≥1.5	540		21.6	19
6	≤3.6	≥0.5	45	0.8	9.2	7.9
9	≤5.4	≥0.7	100		11.8	9
12	≤7.3	≥1.0	180		16.8	11.8
18	≤10.8	≥1.6	405		22.3	19.3
24	≤14.4	≥2.2	720		28.2	23.6

Note: (1) Max. Allowable overdrive voltage is stated with no load applied minimum coil resistance.

Performance Curve:



Test Conditions:2sON,2s OFF



(1) The Minimum Teperature Is -40℃ .
(2) The Maximum Temperature Is-85℃