

MVC 03-8

DATA SHEET

Description

MVC 03-8 is a member of HEINZMANN's DARDANOS Electronic Fuel Injection (EFI) controller series for industrial reciprocating engines. It is designed as universal speed controller for diesel, gas or dual-fuel engines which work with solenoid activated injection systems.

MVC 03-8 is able to manage up to a maximum of 8 cylinders. Injection timing and duration can be mapped according to engine designer's requirements.



Technical data

General specification

Supply voltage	12 ... 32 V (nom. 24 VDC)
Degree of protection	IP69K
Ambient temperature	-40 ... 80 °C -40 ... 120 °C with cooling
Permissible ambient humidity	< 95 % at 55 °C
Vibration	10 ... 24 Hz; max. ±2 mm 25 ... 64 Hz; max. 0.24 m/s 65 ... 2000 Hz; max. 9 g
Shock level	< 30 g, 11 ms half sine wave
EMC	EN 61000-4-2 /-3 /-4 /-6
Weight	approx. 10 kg

I/O specification

Signal inputs	
Speed inputs	10 ... 10000 Hz
3× index pickup, Hall-type	Max. 8 kHz
1× voltage input	0 ... 36 V
8× voltage input	0 ... 5 V
2× current input	0 ... 25 mA
9× binary input	7× pull down 2× broken wire monitoring
1× terminal 15	U0 < 3.5 V, U1 > 6 V
5× temperature input	PTC or NTC possible
Signal outputs	
8× injector output	48 or 58 VDC, current controlled, max. 14 A hold, max. 28 A boost
2× high-pressure pump	I < 2.5 A
13× binary output	10× high-side switching, 3× low-side switching
1× frequency output	25 ... 10000 Hz, I < 500 mA
Communication	2× CAN ISO/DIS 11898 (1× insulated)
Configuration tool	RS-232 interface for HEINZMANN DcDesk communication

Certificates

CE
Others on request

Dimensions

