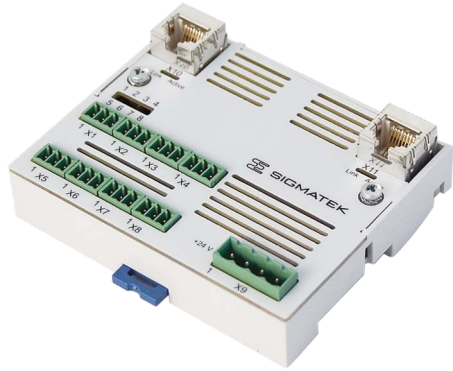


# Digital Conversion Module

## VDM 086

with 8 inputs  
2 outputs



The VARAN VDM 086 module has eight +24 V / 2 A digital outputs (positive switching). The outputs are short-circuit protected and back readable. They can therefore also be used as digital inputs with a +24 V gauge to read the signal status 0 and 1.

### Digital Outputs

Number of outputs	8
Short-circuit proof	yes
Maximum permitted continuous load current / channel	2 A
Supply voltages	+24 V per group of 4
Maximum total current (per 4 channels)	4 A (100 % of on-time)
Voltage drop over power supply (output active)	≤ 1 V
Residual current (output inactive)	≤ 12 µA
Turn-on delay	< 400 µs
Turn-off delay	< 400 µs
Status display	yellow LED
Max. braking energy of inductive loads	1 channel 0.12 [Joules]

### Digital Inputs

Number	8
Input voltage	typically +24 V maximum +30 V
Signal level	low: < +5 V high: > +14 V
Switching threshold	typically +11 V
Input current	typically 5 mA at +24 V
Input delay	typically 0.5 ms
Status display	yellow LED

### Electrical Requirements

Supply voltage + 24 / 1-2	18-30 V DC
Current consumption of voltage supply	+24 V / 1: corresponds to the load on the digital outputs 1-4 (max. 4 A) +24 V / 2: corresponds to the load on the digital outputs 5-8 (max. 4 A)
+24 V current consumption	typically 80 mA maximum 100 mA

### Article Number and Miscellaneous

Article number	16-008-086
Hardware version	1.x
Hardware Classes	vdm086

### Environmental Conditions

Storage temperature	-20 ... +85 °C
Operating temperature	0 ... +60 °C
Humidity	0-95 %, non-condensing
EMC stability	EN 61000-6-2
Shock resistance	EN 60068-2-27 150 m/s <sup>2</sup>