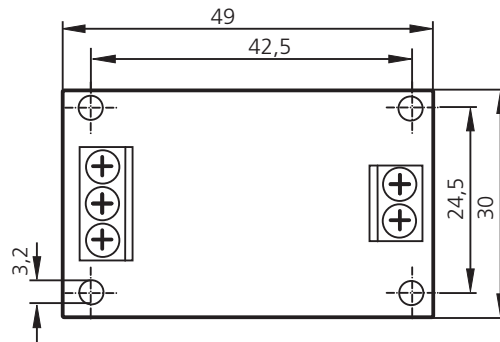




**CR3002**

PWM / Analogmodul



**Verwendung**

**Umwandlung eines ecomat100 Controller PWM-Signals in eine analoge Spannung**

Betriebsspannung

24 V DC (max. 30 V DC)

Strombelastbarkeit

< 20 mA

Verpolungssicher

ja

Eingangssignal

24 V DC PWM-Signal

Ausgangsspannung

0...10 V DC

Aufbau

Leiterplatte, 49 x 30 x 15 mm

Umgebungstemperatur

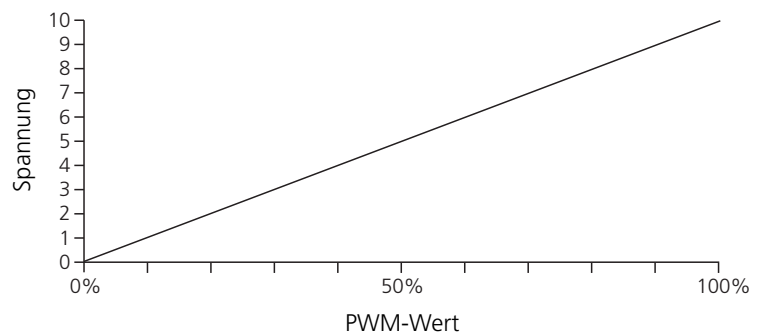
-40...85 °C

Steuerungsparameter

PWM-Frequenz: 122 Hz

Weitere Informationen: siehe Systemhandbuch Controller  
([www.ifm.com](http://www.ifm.com) → Service → Download → Steuerungssysteme)

Kennlinie

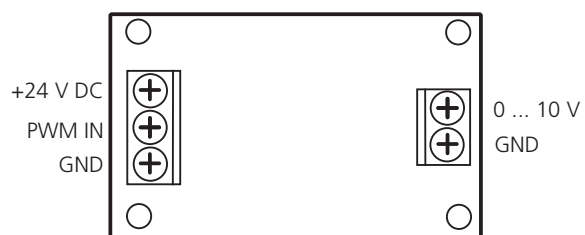


Welligkeit bei PWM-Wert 50%: ≤ 250 mV<sub>SS</sub>  
Linearisierung durch Anwendersoftware

Anschluss

5 Schraubklemmen ...2,5 mm<sup>2</sup>

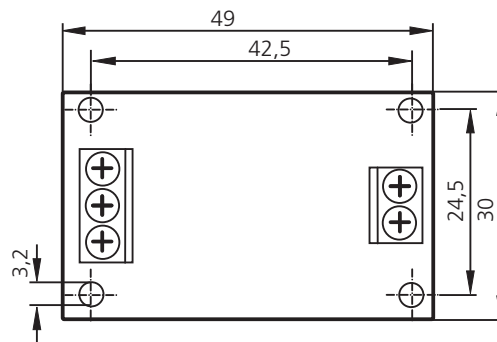
Anschlussbelegung





**CR3002**

PWM / analog module



**Application**

**conversion of an ecomat100 controller PWM signal into an analog voltage**

Operating voltage

24 V DC (max. 30 V DC)

Current load

< 20 mA

Reverse polarity protection

yes

Input signal

24 V DC PWM signal

Output voltage

0...10 V DC

Structure

PCB, 49 x 30 x 15 mm

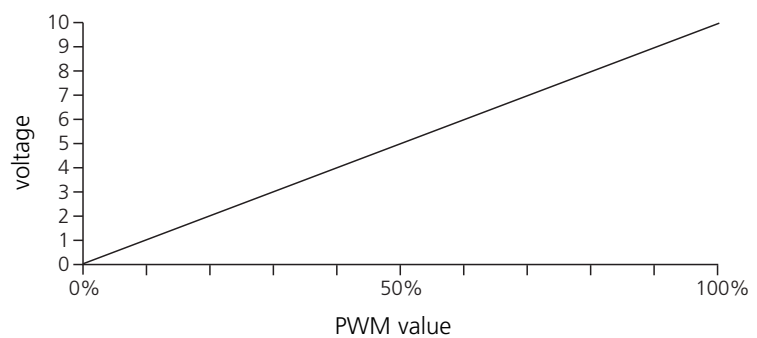
Ambient temperature

-40...85 °C

Control parameters

PWM frequency: 122 Hz  
Additional information; see system manual of the controller  
([www.ifm.com](http://www.ifm.com) → Service → Download → Control systems)

Characteristics curve

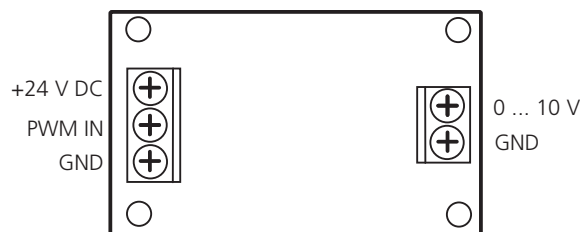


ripple for PWM value 50%: ≤ 250 mV<sub>SS</sub>  
linearisation by user software

Connection

5 terminals ...2.5 mm<sup>2</sup>

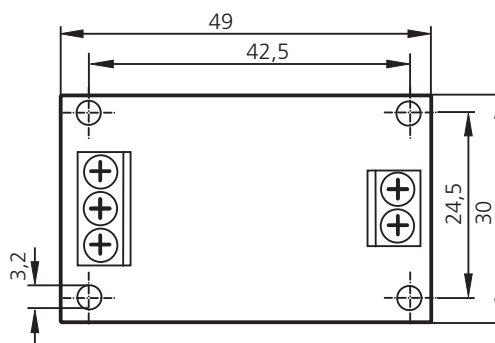
Wiring





**CR3002**

PWM (modulation d'impulsions en largeur) / module analogique



**Application**

**conversion d'un signal PWM (ecomat100 controleur) en tension analogique**

Tension d'alimentation

24 V DC (max. 30 V DC)

Courant de sortie

< 20 mA

Protégé: inv. de pol.

oui

Signal d'entree

signal PWM 24 V DC

Tension de sortie

0...10 V DC

Structure

carte de circuits imprimés, 49 x 30 x 15 mm

Temperature ambiante

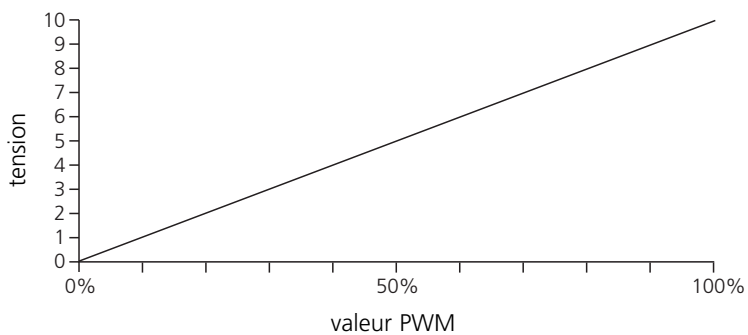
-40...85 °C

Parametres de commande

Frequence PWM: 122 Hz

Informations supplementaires: voir manuel controleur  
(www.ifm.com → Services → Download → Systemes de controle-commande)

Courbe caracteristique



ondulation pour valeur PWM F50%: ≤ 250 mV<sub>SS</sub>  
linearisation par logiciel utilisateur

Raccordement

5 bornes ... 2,5 mm<sup>2</sup>

Schéma de branchement

