

CVC converts a voltage signal to a linear analogue output current in the range of 0....20 mA.

The input voltage is customer specific and can therefore be chosen, e.g. 0....32V.



Technical Data 0..32V Input type	
Supply Voltage / Current	11.....30 V / 40 mA max
Output signal	0.....20 mA
Tolerance of output signal	+/- 0,5 mA
Input signal * ¹	032 V
Output shuntresistor (Vb=24V)	100.....600 Ohms * ²
Input impedance	ca. 10.000 Ohms
Linearity (current vs. duty-cycle)	< 0,5% (of end-value)
Temperature range operational/stationary	-25° ...+70°C / -40° ...+85°C
Protection class	IP 20 (IP 67 on request)
Casing Material	ABS plastic * ⁴
L x H x W	45 x 30 x 20 mm
Connection cable	0,4 m with open ends 4-core wires Vb=red, GND=black, Voltage_in=yellow,current_out=orange

Notes:

- *1) Customer-specific adjustment possible
- *2) Design is not calibrated to zero dependency of current to shunt resistor; hence shunt resistor shall have a fixed value
- *3)
- *4) for very rough conditions, CPI is available in aluminium casing as well

all values specified at 25°C