



- 24 V: 8 dig. IN and 8 dig. I/O (61131-Type2) ●
- 5 V-TTL: 8 dig. IN and 8 dig. OUT (galv. isolated) ●



Specification	
<b>Environment/mechanical values</b>	
Supply voltage	24 V DC (18 V...30 V), 5 W
Housing	Plastic
EMC examinations	EN 61000-6-2, EN 61000-6-4
IP Rating	IP20, acc. EN 60529
Mounting	Snap- fit on basic housing combo CM1xx, CM2xx
Outside dimension in mm (W x H x D)	with basic device: 83 x 94,8 x 23
Weight approx.	105 g
Operating temperature	0 °C...50 °C
Storage temperature	0 °C...60 °C
<b>Ordering number</b>	
23301.0010	combo - CE130
<b>Diagnostic</b>	
LEDs	LED 24 V: 8 dig. IN / 8 dig. IN- or OUT / PWROK / ERR LED 5 V-TTL: 8 dig. IN / 8 dig. OUT / PWROK
<b>Digital Inputs 24 V</b>	
Number	8 dig. IN / 8 dig. IN- or OUT
Input voltage	24 V DC (18 V...30 V)
Frequency max.	8 x 1 kHz, 8 x 10 kHz
Overvoltage	43 V
Power dissipation	0,2 W per input
<b>Digital Inputs 5 V-TTL</b>	
Number	8 dig. IN / gav. Isolated
Input voltage	5 V DC (4,5 V...5,5 V)
Frequency max.	8 x 1 kHz
Overvoltage	15 V
Power dissipation	50 mW per input @ 5V- input voltage

Digital In- or Outputs 24 V	
Number	8 dig. IN- or OUT
Total Current (acc. to the DIN)	max. 2 A
Output voltage	24 V DC / 0,5 A
Switching frequency ohm/inductive	100 kHz
Short circuit/thermal protection	Current limiting 0,7 A per channel / 150 °C fuse 2,5 A for total current
Stepper motor controller	8 independent channels each with 10 kHz for pulse and direction
Reverse polarity protection	yes
Wire length max.	600 m (unshielded), 1000 m (shielded)
Power dissipation	0,2 W per output
Digital Outputs 5 V-TTL	
Number	8 dig. OUT / galv. isolated / NO external supply necessary
Total Current (acc. to the DIN)	max. 200 A
Output voltage	5 V-TTL / I <sub>max.</sub> 20 mA
Switching frequency ohm/inductive	10 kHz
Short circuit/thermal protection	Short- circuit- proof, switch-off through dissipation loss
Stepper motor controller	8 independent channels each with 10 kHz for pulse and direction
Wire length max.	< 30 m
Power dissipation	0,1 W per output
Applications	
	in many industries such as plastics, medical- and automation technology

Illustrations, descriptions, dimensions and specifications correspond to the circumstances or intentions at the time of printing this brochure. Changes of any kind, especially those resulting from technological progress, economic performance or a similar will be without notice. The external interconnection of equipment will be on your own responsibility

\*Remark: The use of standard memory card (e.g. CF-cards) is generally possible. Anyhow elrest GmbH does not take any responsibility thereby.

elrest Automationssysteme GmbH • Leibnizstraße 10 • 73230 Kirchheim unter Teck • Tel.: +49 (0) 7021 92025-0

© 2013 • www.elrest.de • All rights reserved

