

## DIN DIGITAL INPUT 24 EXTENSION MODULE

CH004

v1.1

### Product features:

- To be mounted on DIN rail
- CAN port
- 3 Wiegand-port (instead of 3x2 digital inputs)
- 24 digital inputs



Parameter	Condition	Value			Unit
		Min	Typical	Max	
Power supply		15,0	24,0	30,0	V
Power uptake		12,5		100,0	mA
Digital input / Wiegand port					
Digital input contact resistance				825,0	$\Omega$
Input low voltage level		-	0,5	1,0	V
Input high voltage level			3,0	5,5	V
Output low voltage level	$I_{OL} = 20\text{mA}$			0,7	V
Output low voltage level	$I_{OH} = -20\text{mA}$		4,2	5,5	V

Connector layout	Function
Top rear row	
+24V	power
GND	ground
CAN+	CAN bus H
CAN-	CAN bus L
-	-
DI1	digital Input
DI2	
GND	ground
GND	ground
Top first row	
DI17/W1H	digital inputs / Wiegand port #1
DI18/W1L	
DI19/W2H	digital input / Wiegand port #2
DI20/W2L	
GND	ground
DI21/W3H	digital input / Wiegand port #3
DI22/W3L	
DI23	digital input
DI24	
Botto front row	
DI10	digital input
DI11	
DI12	
GND	ground
DI13	digital input
DI14	
DI15	
DI16	
GND	ground
Bottom rear row	
DI3	digital input
DI4	
DI5	
GND	ground
DI6	digital input
DI7	
DI8	
DI9	
GND	ground

Status LED	Indication
red blink	No connection
green flash	CAN communication

Environmental parameters	
Safety rating	IP 20
Temperature resistance	0-40 °C



CISPR 24 /IEC 61000-4-3/2006-09  
CISPR 24 /IEC 61000-4-6/2014-05  
CISPR 322015-11  
EN 505812013-02

Before installation, please study the  
Chameleon Electrical installation guide!



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Dimensions and Connection Diagram

