

DIN ACCESS EXTENSION MODULE

UP-CDN-AC2-100

Product features:

To be mounted on DIN rail
CAN port
3 relay outputs (max. 10A per channel)
12 low-power digital input/output ports
(pre-configured for 2 access terminals (Wiegand port, LED, Buzzer, Door Contact, Request for Exit)
2 power supply output for access terminals
3 high-power auxiliary digital input/output ports



Parameter	Condition	Value			Unit
		Min	Typical	Max	
Supply voltage		15	24	28	V
Current consumption		4		1500	mA
Relay output					
Connected voltage	DC		30	300	V
	AC		250	440	V
Max load				10	A
Control-contact insulation	50/60Hz, 1 min.		5000		Vac
Contact insulation			1000		Vac
Operating time				15	ms
Release speed				5	ms
Switching frequency				4	Hz
Electrical service life	10 A at 250 VAC (cosφ=1), 1s on-, 9s off.	100000			switch
Mechanical service life		20000000			switch
Digital input / Wiegand port					
Digital input contact resistance				825	Ω
Input low voltage level		-0,5		1	V
Input high voltage level		3		5,5	V
Out put low voltage level	I _{OL} = 20mA			0,7	V
Output low voltage level	I _{OH} = -20mA	4,2		5,5	V

Low-power digital port (LED, BUZZ, DC, REX)					
Output load capacity				2	mA
Input load capacity				300	mA
High-power digital port (AUX)					
Output load capacity				25	mA
Input load capacity				300	mA

Connector layout		Function
Upper connectors		
+24V		Power supply
GND		Ground
CANH		CAN bus High
CANL		CAN bus Low
AUX1*		Auxiliary Digital input/output
AUX2*		Auxiliary Digital input/output
AUX3*		Auxiliary Digital input/output
GND		Ground
R1	NO	Relay normally open contact
	NC	Relay normally closed contact
	COM	Relay common contact
R2	NO	Relay normally open contact
	NC	Relay normally closed contact
	COM	Relay common contact
R3	NO	Relay normally open contact
	NC	Relay normally closed contact
	COM	Relay common contact
Lower connectors		
DOOR1/DOOR2*	VOUT	Access terminal supply output (12,8Vdc/1A)
	GND	Ground
	WH	Wiegand port
	WL	
	LED	LED feedback output
	BUZZ	Buzzer feedback output
	DC	Door contact input
	REX	Request for exit input
	GND	Ground

*: These ports are general digital I/O ports, their indicated function is the default setting.

Status LED	Indication
red blink (1s period)	Normal operation
green flash	CAN communication

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

Logistic data	
Weight	215 g
EAN	5999572900656
Dimensions (incl. connectors)	114x62x108 mm



CISPR 24 / IEC 61000-4-3/2006-09
CISPR 24 / IEC 61000-4-6/2014-05
CISPR 32/2015-11
IEC 62368-1:2014/2014-08
EN 50581/2013-02

Before installation, please study
the Chameleon Electrical
installation guide!



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Dimensions and Connection Diagram

