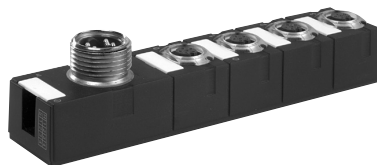


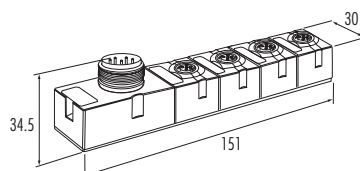
Power distributor

Cube67 PD 7/8"

Protection IP67



Ordering data		Art.-No.
	approvals filed for UL	56955
Voltage input		
Nominal voltage	24 V DC (18...30.2 V), to EN61131-2	
Connection technology	7/8" male, 5-pole	
Current load	max. 9 A	
Voltage output		
Number	4	
Connection technology	M12 female, 6-pole	
Current load	max. 4 A	
Short-circuit protection	electronic	
Diagnostic		
Supply voltage	green LED at M12 plug	
Short-circuit at output	red LED at M12 plug	
General data		
Temperature range	0...+55 °C (storage temperature -20...+75 °C)	
Mounting method	2-hole screw mounting	
Dimension	H x W x D	34.5 x 151 x 30 mm
Dimension drawing		



Notes	
	Accessories, terminators and blind plugs see page 2.1.24. Connection cables can be found in chapter 1.4... All housings are potted.

Internal system connection

Cube67 FSC Pin M12

Cube67 FSC Socket M12 Mount

Cube67 FSC Socket M12

Protection IP65

Cube67



Ordering data

Art.-No.
56947

Art.-No.
56948

Art.-No.
56949



Technical data

Nominal voltage	24 V DC
Nominal current	4 A
Connection	female 6-pole M12, Han-Brid® 6-pole
Insertion cycles	≥ 500

General data

Temperature range	- 40...+85 °C	
Mounting	–	flange, hole spacing 30 mm, drill-scale 3.3 mm
Dimension	H x W x D 74 x 33.5 x 28.5 mm	80.5 x 40 x 40 mm
Weight	114 g	140 g
Housing	zinc pressure diecasting	

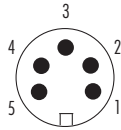
Notes

Blind plugs			Art.-No.
	Blind plug M12 x 1 Cube67 BP	set 4 pieces	56952
	Blind plug M8 x 1	set 4 pieces	3858627
	Diagnostic blind plug M12 x 1	set 1 piece	7000-13481-0000000
	Blind cap M12 Cube67 BP for internal system connection	set 4 pieces	56951
Other			Art.-No.
	Label plates	set 20 pieces	55318
Notes	Further system accessories and configuration datas on request. Up-to-date manuals can be downloaded under www.murrelektronik.com		

Contact layout for bus nodes Cube67 BN-P



POWER
Male 7/8"



PIN 1: GND
PIN 2: GND
PIN 3: PE
PIN 4: sensor supply
PIN 5: actuator supply

BUS IN
Male M12



PIN 1: 5 V
PIN 2: A-wire (green)
PIN 3: 0 V
PIN 4: B-wire (red)
PIN 5: shield

BUS OUT
Female M12



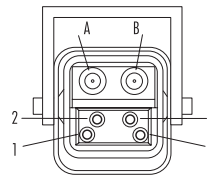
PIN 1: 5 V
PIN 2: A-wire (green)
PIN 3: 0 V
PIN 4: B-wire (red)
PIN 5: shield

Connection: Shielded

Top view of module

Contact layout for bus nodes Cube67 BN-P ECOFAST®

Male/Female



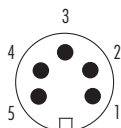
Data A: CU
Data B: CU
PIN 1: 24 V equal channels supply not switched (U_{ns})
PIN 2: GND
PIN 3: GND
PIN 4: 24 V unequal channels supply switched (U_s)

Top view of module. ECOFAST® is a registered trademark of Siemens

Contact layout for bus nodes Cube67 BN-DN

DeviceNet

POWER
Male 7/8"



PIN 1: GND
PIN 2: GND
PIN 3: PE
PIN 4: sensor supply
PIN 5: actuator supply

BUS IN
Male M12



PIN 1: shield
PIN 2: V+
PIN 3: V-
PIN 4: CAN_H
PIN 5: CAN_L

BUS OUT
Female M12



PIN 1: shield
PIN 2: V+
PIN 3: V-
PIN 4: CAN_H
PIN 5: CAN_L

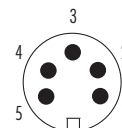
Connection: Shielded

Top view of module

Contact layout for bus nodes Cube67 BN-C

CANopen

POWER
Male 7/8"



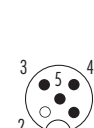
PIN 1: GND
PIN 2: GND
PIN 3: PE
PIN 4: sensor supply
PIN 5: actuator supply

BUS IN
Male M12



PIN 1: shield
PIN 2: N.C.
PIN 3: GND
PIN 4: CAN_H
PIN 5: CAN_L

BUS OUT
Female M12



PIN 1: shield
PIN 2: N.C.
PIN 3: GND
PIN 4: CAN_H
PIN 5: CAN_L

Top view of module

Contact layout for Cube67 digital I/O modules

digital inputs

Female M12



1: sensor supply +
2: input 2/diagnostic
3: 0 V
4: input 1
5: PE

digital inputs

Female M8



1: sensor supply +
3: 0 V
4: input

multifunctional plug

Female M12



1: sensor supply +
2: input 2/output 2/diagnostic
3: 0 V
4: input 1/output 1
5: PE

multifunctional plug

Female M8



1: sensor supply +
3: 0 V
4: input/output

Contact layout for Cube67 analog modules

Plug for
PT100/resistance measuring

Female M12



- 1: current source
- 2: input
- 3: 0 V
- 4: input
- 5: N.C.

Plug for thermo elements

Female M12



- 1: compensation +
- 2: thermo element +
- 3: compensation -
- 4: thermo element -
- 5: N.C.

Plug for analog input

Female M12



- 1: supply voltage +
- 2: analog +
- 3: 0 V
- 4: analog -
- 5: N.C.

Plug for analog output

Female M12



- 1: +24 V/1.6 A
- 2: N.C.
- 3: 0 V
- 4: output
- 5: N.C.

Contact layout for Cube67 function modules

Plug for counter input

Female M12



- 1: +24 V
- 2: up/down 1
- 3: GND
- 4: counter Input
- 5: N.C.

Plug for counter output

Female M12



- 1: +24 V
- 2: gate 1
- 3: GND
- 4: digital OUT 1
- 5: N.C.

Plug for logic input

Female M12



- 1: +24 V
- 2: input 1
- 3: 0 V
- 4: input 2
- 5: PE

Plug for logic output

Female M12



- 1: +24 V
- 2: output 1
- 3: 0 V
- 4: output 2
- 5: PE

RS485

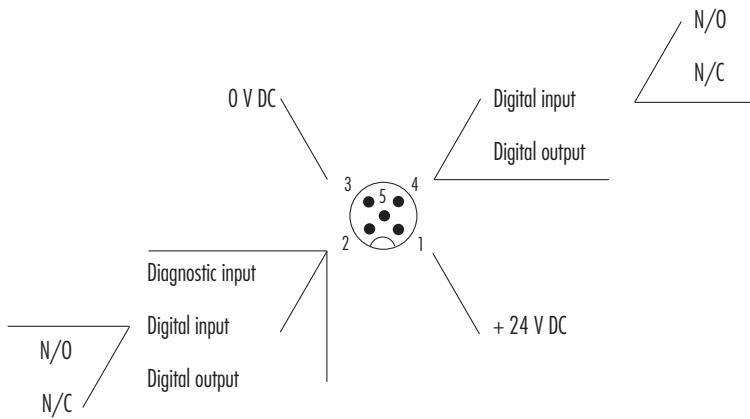
Female M12



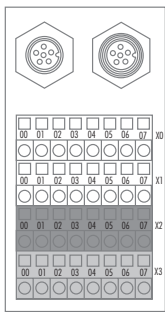
- 1: +24 V
- 2: RS -
- 3: 0 V
- 4: RS +
- 5: PE

Possible parameterizations multi functional I/Os

Cube67



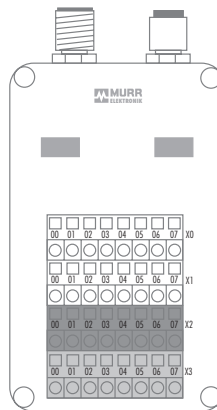
Terminal plan... for Cube67 TB rail



Terminal layout

- X0: DI 00...07
- X1: DI/DO 00...07
- X2: + 24 V DC
- X3: 0 V

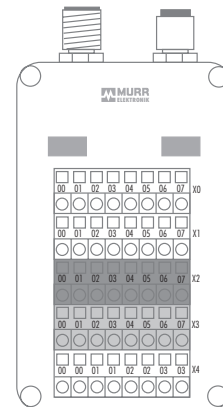
... for Cube67 TB box



Terminal layout

- X0: DI 00...07
- X1: DI/DO 00...07
- X2: + 24 V DC
- X3: 0 V

... for Cube67 TB box PK

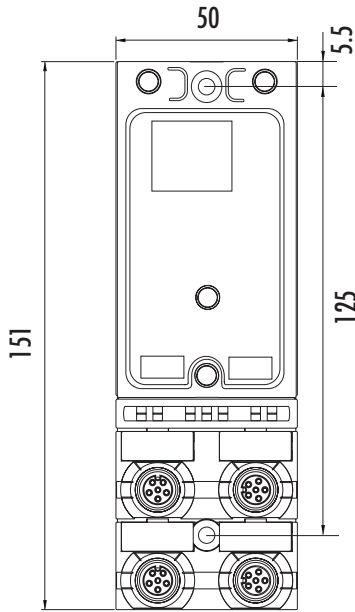


Terminal layout

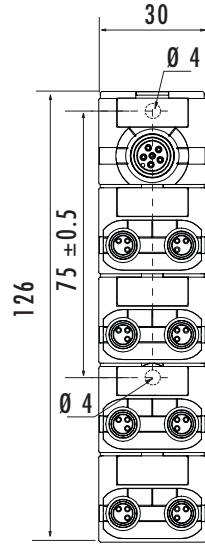
- X0: DI 00...07
- X1: DI/DO 00...07
- X2: + 24 V DC
- X3: 0 V
- X4: 00 00 01 01 02 02 03 03

Drill plans for Cube67 modules

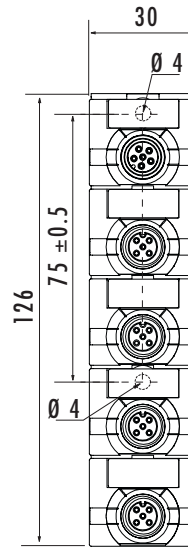
Cube67 bus nodes



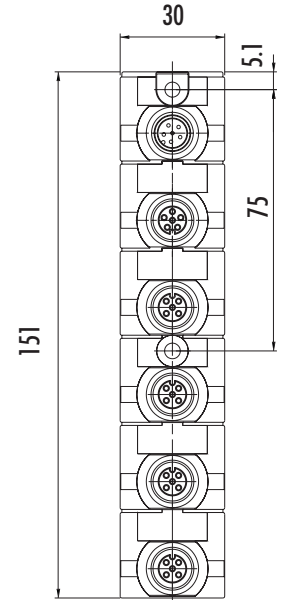
Cube67 M8 modules



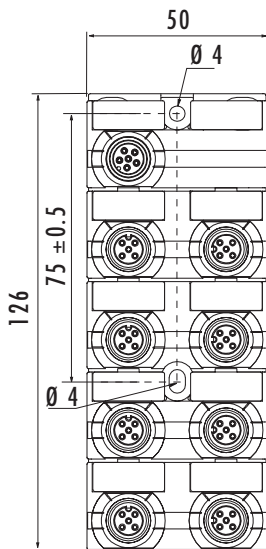
Cube67 M12 modules, 4-way



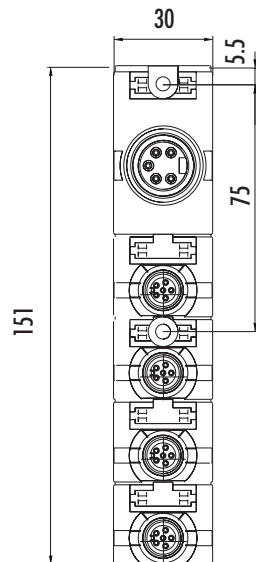
Cube67 M12 expansion module
Cube67 M8 expansion module



Cube67 M12 modules, 8-way



Cube67 power distributor



Cube67 TB box

