KB1002012M0AEC

edition 00 : data 23/01/2025

Kit for DIN rail

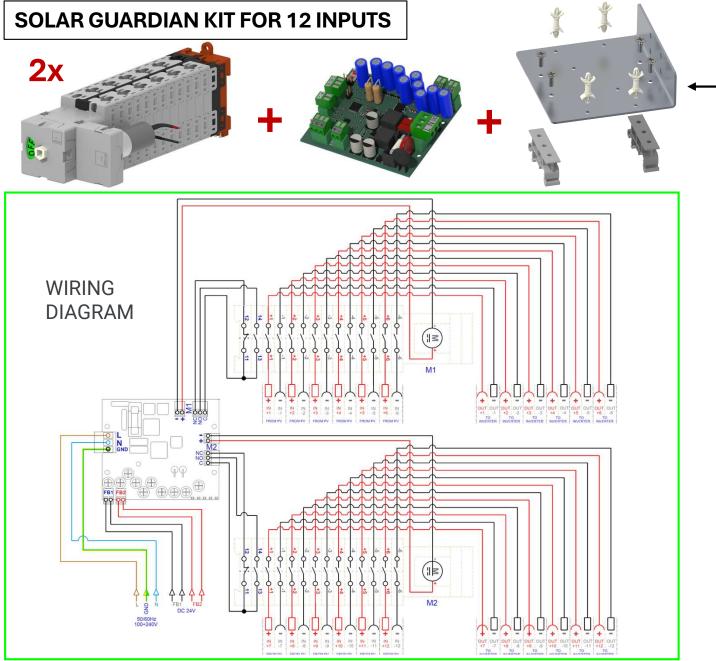
for vertical or horizontal

mounting supplied as spare parts

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BREMAS BETTER SWITCHES CE



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Motor driven actuator

CE

PV2

1100

5

1000

10

750

18

700

20

-

-

-

PV1(DC-21B)

1100

12

1000

20

750

32

700

40

500

50

-

50

12

5

1500

8

780

1,4

0,2/1,25

2

-30 ÷ +50

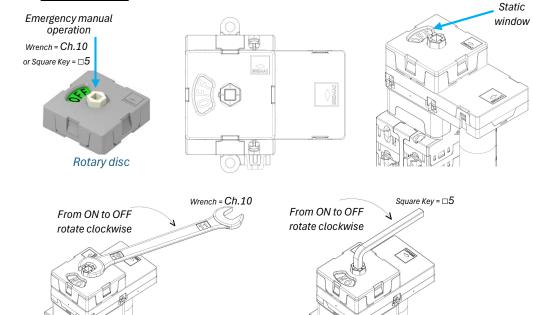
-30 ÷ +85

90-100% RH at +55 °C

Motor characteristics				
Rated operational voltage	Ue	Vdc	24 ±5%	
Rated operational current	le	A	0,4	
Stall current	Max.	Α	1,4	
Free-load current		A	0,10	
Free-load speed	Max.	rpm	20 ±3	
Rated load current		A	0,15	
Rated load speed		rpm	17,6 ±2	
Output power at Max. efficiency		W	1,55	
Terminal type			Solder (supplied with wiring)	
Pre-soldered cables length		mm	300	
Protection degree to the terminals			IP00*	
Operating features				
Rotation direction		Clockwise (90deg)		
Position (status indicator)		Rotary disc with static window at 09:00 o'clock		

* Pre soldered wiring with heat-shrink sheath

Status indicator



Fower toss per tayer at 20 A7 30 A		vv	0,271,25
Maximum size of the fuse for the short-circuit protection	gPV	A	50
Mechanical characteristics			
Type of mounting			Base mounting Back-side for DIN rail or 2 screws fixing For direct operation With pre-mounted status indicator
Layers		Nr.	14
Terminal screws orientation			Head up
External metal parts (screws, shaft)			Stainless steel
Cross-section of flexible/solid wires	Max.	mm² AWG	2x 6 2x 10
Cross-section of wires with fork lug	Max.	mm² AWG	1x 16 1x 6
Connection cable length from PCB to motor (+/-)	Length	mm	~250
and connection cable length of NO-NC auxiliary switches	Section	mm ² / AWG	0,5/20
FB1 and FB2 signal connection cables	Note		Not supplied
	solid wire/stranded wire - min. / max.	mm² AWG	0,129-1,31 26-16
	maximum length allowed	m	50
Minimum required fine wire cross-section: IEC 60947-1, table 9	9		
Terminal screws type			M4 – PH2
Terminal screws tightening torque		Nm	1,7 ±10%
Net weight		g	680
Protection degree IEC 529 EN 60529			
To the terminal			IP20

Ue

le

Ue

le

Ue

le

Ue

le

Ue

le

Ue

le

lth

Ui

Uimp

Icw

lcm

Vdc

Α

Vdc

А

Vdc

Α

Vdc

Α

Vdc

А

Vdc

Α

А

Nr.

kA

Vdc

kV

А

kΑ

W

°C

°C

DM100206M0AEDSC

Technical data according to IEC 60947-3:2021

Disconnect switch

Utilization category

Rated operational voltage

Rated operational current

Rated operational voltage (second rating)

Rated operational current (second rating)

Rated operational voltage (third rating)

Rated operational current (third rating)

Rated operational voltage (fourth rating)

Rated operational current (fourth rating)

Rated operational voltage (fifth rating)

Rated operational current (fifth rating)

Rated operational voltage (sixth rating)

Rated operational current (sixth rating)

Rated conditional short-circuit current

Rated short-time withstand current (1 s)

Rated impulse withstand voltage

Rated short-circuit making capacity

Power loss per layer at 20 A / 50 A

Rated thermal current

Rated insulation voltage

Ambient conditions Pollution degree ins.

Operational ambient temperature

Storage ambient temperature

Damp heat test IEC 60068-2-30

DC Poles

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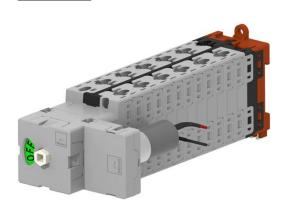
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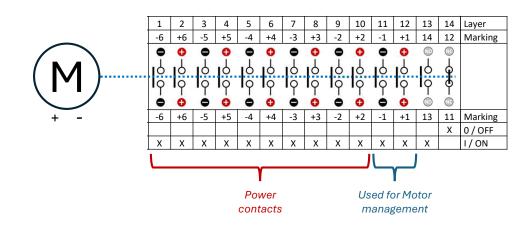
Product image



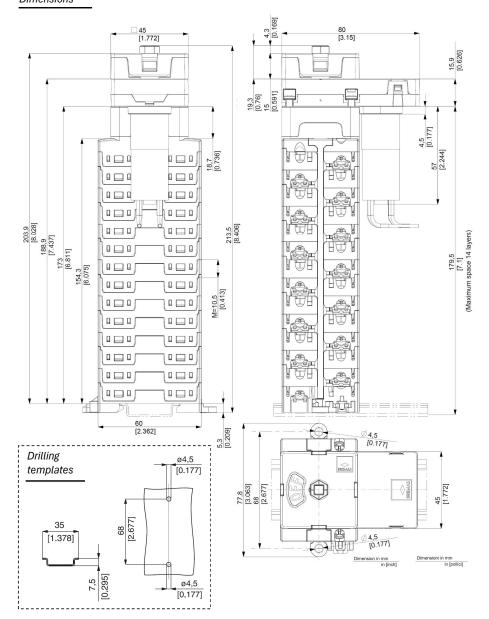


Screwdriver orientation for terminal fixing

Electrical Diagram



Dimensions



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FSEB2M

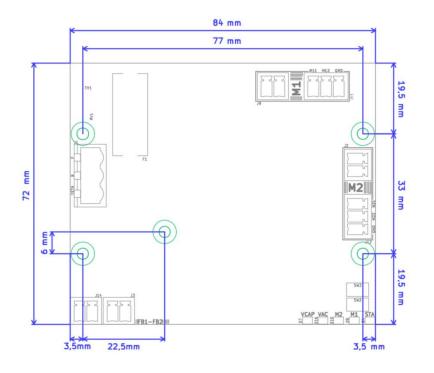
Electronic board

Product image



Dimensions





Technical data

CE

AC supply			
Voltage range		V ac	100240
Rated operational voltage		V ac	230 ±5%
Frequency range		Hz	50/60
Rated operational current (stand-by)		mA	≅ 20
Rated operational current (peak)	Max.	mA	≅ 400
Overvoltage protection		V ac	275 (varistor)
Functional data			
Capacitors charging time	Max.	S	÷18
FB terminals (J3-J14) – Electrical parameters	Max.		24 Vdc – 100 mA
Temperature for automatic shutdown		°C	+100
Mechanical characteristics			
Dimensions (L x H x P)		mm	84 x 72 x 25
Net weight		g	76 (FSEB1M) – 81 (FSEB2M)
Orace eastion of flouible (coliducines (11 termine))	Max	mm ²	2
Cross-section of flexible/solid wires (J1 terminal)		AWG	14
Cross-section of flexible/solid wires (J2-J3-J9-J11-J12-J14 terminals)	Max.	mm ²	1,3
Cross-section of nexible/solid wires (J2-J3-J9-J11-J12-J14 terminals)		AWG	16
Ambient conditions			
Operational ambient temperature		°C	-30 ÷ +50
Storage ambient temperature		°C	-30 ÷ +85
Humidity			90-100% RH at +55 °C

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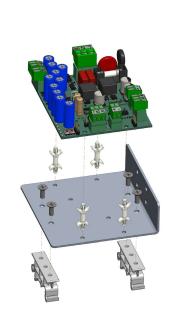
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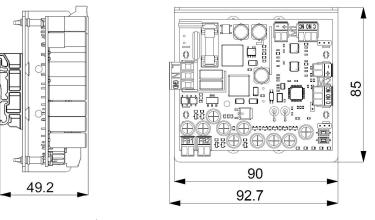
FSDIN

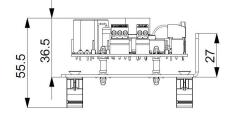
DIN support

Horizontal mounting



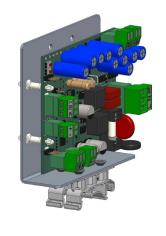


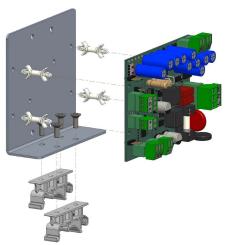


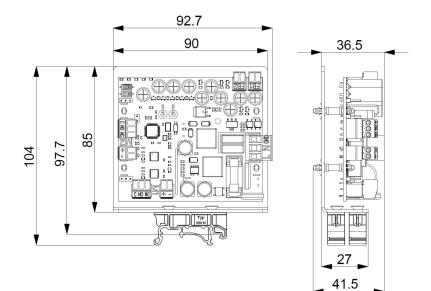


CE









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