



The BMC control system presents the market with a practical and reliable solution for small machines for command drives issues and principally for the monitoring of safety functions. The BMC is equipped with a safety module which is certified by TÜV Rheinland (Germany) and reaches category 4, PLe, SIL 3 in accordance to international standards.

Benefits

- Braking system (optional)
- Safety category 4 / PLe / SIL3
- Appropriate for diverse machine types
- Easy electrical installation (cables with terminals and terminal connectors)
- Fast mechanical assembly
- LEDs for status indication
- In accordance to national and international technical standards, attends the requirements of NR 12
- Customized system for your machine
- Compact system

Characteristics

- Certified by TÜV Rheinland
 - Monitors up to 4 safety functions
 - Supply voltage 220 or 380 VAC
 - Power rating until 7,5 HP (5,5 KW)
 - Compact Main Switch
 - Command controls mounted on box (optional)
 - Missing or inverted phase detection
 - Motor starter* incorporated (optional)
- *We recommend the use of a motor starter adequately proportioned to protect the system.

Applications

- Bakery and confectionary machines
- Grocery and meat handling machines
- Packaging machines
- Woodworking and furniture making machines
- General purpose machines (NR 12)

Code Key

<p>BMC</p>	<p>Input configuration (table below) 1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 / 9 / A</p>	<p>Brake monitoring</p> <p>S = without brake F = with brake</p>	<p>Motor Power/ Power Supply</p> <p>1-2M = 1HP/220V single phase 2-2T = 2HP/220V three phase 3-3T = 3CV/380V three phase 3-2M = 3HP/220V single phase 5-2T = 5HP/220V three phase 7-3T = 7,5HP/380V three phase</p>	<p>Command</p> <p>Blank = without command on BMC B = External command control box F = Commands on front cover BE = External control for command and emergency FE = Commands and emergency on front cover</p>
<p>Protection</p> <p>Blank = without motor started DM = Motor starter incorporated D = Circuit breaker incorporated (for braking + Frequency inverter incorporated)</p>	<p>Residual tension monitoring</p> <p>Blank = without AZR R = Fail-safe standstill monitor AZR incorporated</p>	<p>Sensor for missing and inverted phase (FIF) or Frequency inverter (IN)</p> <p>Blank = standard FF = FIF available IN = FIF disabled / for frequency inverter</p>	<p>Breaking time</p> <p>Blank = standard T = customized (to order)</p>	

Example codes: ■ 11141162 - BMC1F3-2M-FEDM ■ 11141176 - BMC1F5-2T-FEDR-IN ■ 11141183 - BMC1F7-3T-FEDMR-FF

Input configuration table

Reference number	Reset with monitoring of falling edge	Monitoring of short circuit between channels	Input configuration NO/NC or NC/NC	Monitoring of synchronization between channels (< 5s)
1	Yes	Yes	NC/NC	Yes
2	Yes	Yes	NC/NC	No
3	Yes	No	NC/NC	Yes
4	Yes	No	NC/NC	No
5	Yes	Yes	NO/NC	Yes
6	Auto start	Yes	NO/NC	No
7	Auto start	Yes	NC/NC	Yes
8	Auto start	Yes	NC/NC	No
9	Auto start	No	NC/NC	Yes
A	Auto start	No	NC/NC	No

Technical data

Mechanical data

Housing material	thermoplastic ABS
Housing dimensions (WxHxD)	200x360x150mm
Protection level	IP55

Electrical data

Power supply	220VAC or 380VAC (on order)
Monitoring of input signals	safety switch / magnetic and electronic safety sensor / emergency button and switch / light curtain / limit switch
Power of motor	1 / 2 / 3 / 5 / 7,5 HP / (5,5KW)

Some examples:



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+55 (15) 3263-9800



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