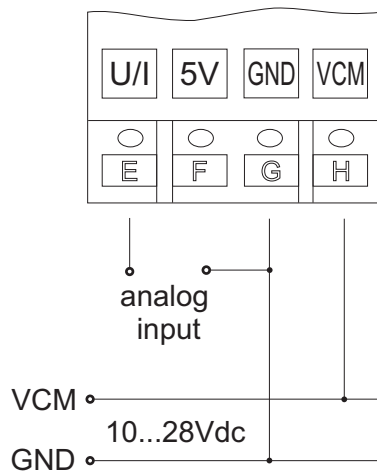# DC PWM Motor Speed Controller   R5-M

- Direct connection of loads
- Adjustment of the potentiometer or analog signal
- Signaling output pulses
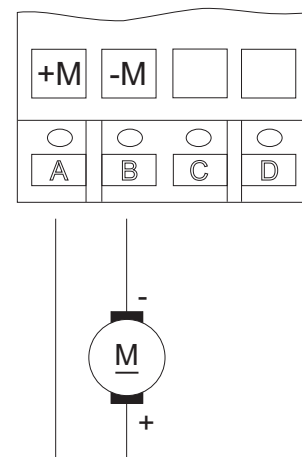- DIN-rail mountable
- Small size

CIRCUIT   DIAGRAM

1) CONNECTION OF CONTROL AND POWER

U/I	5V	GND	VCM
E	F	G	H

analog input

VCM

10...28Vdc

GND

2) CONNECTION OF MOTOR
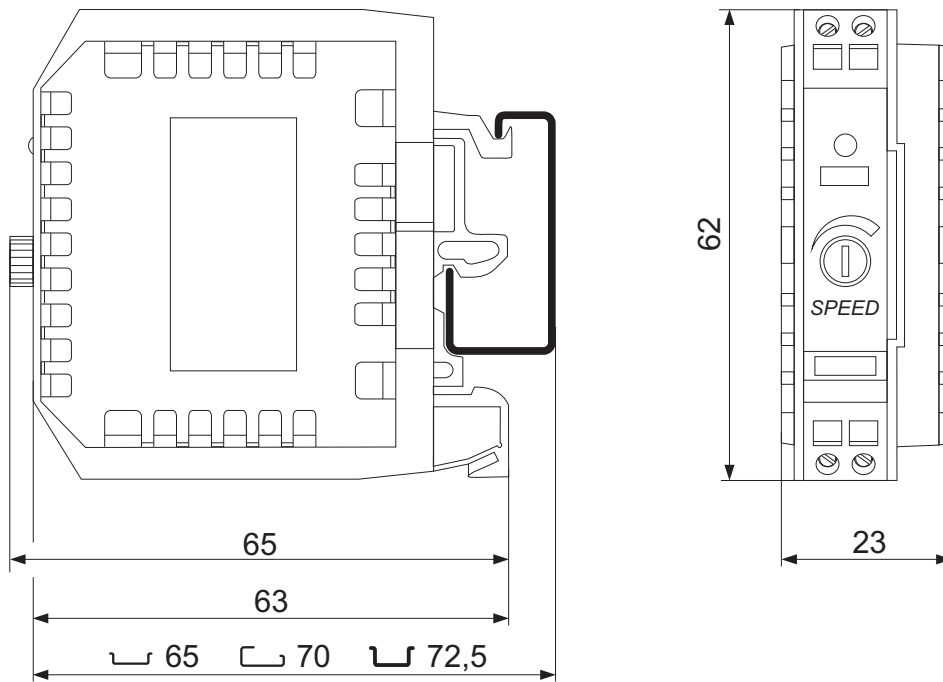
+M	-M		
A	B	C	D

M
-
+

COMMENTS:
1) For control via potentiometer *SPEED*, *U/I* terminals shorted with *5V*.
2) *VCM* terminal is connected inside the controller to the terminal *+M*.
3) The system does not have galvanic isolation between power supply and analog input.

X
x_{max}
t

I_M
t
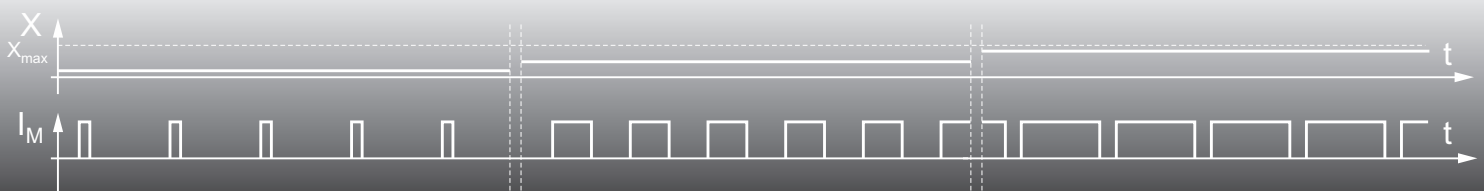
DIMENSION DRAWING

65
63
⌴ 65   ⌷ 70   ⌶ 72,5

62
23

SPEED

TECHNICAL DATA

Output load	8 A
Operating voltage range	10...28 Vdc
Power consumed	<0,7 W
PWM frequency	$f_{PWM} \approx 16$ kHz
Input *U/I*	0...5 V (10 V) - input resistance 5 kΩ
	0(4)...20 mA - input resistance ≈ 250 Ω
Relative air humidity	25...85 %
Temperature range	0...50 °C
Storage temperature	-25...70 °C
Protection	IP20 (PN-EN 60529)
Requirements	EN 60947
Dimensions	23x62x63 mm
Weight	45 g

ORDER CODE

Speed Controller R5-M	X	X
Analog input **0...5 V (10V) / potentiometer *SPEED* ***	- A	
Analog input **0...20 mA**	- B	
Analog input **4...20 mA**	- C	
Standard		- 0
Special version (number to be agreed)		- X

*) Control **0...5 V** , requires you to set the **SPEED** potentiometer to maximum.
  Control **0 ... 10 V**, requires setting potentiometer **SPEED** to 50% range.