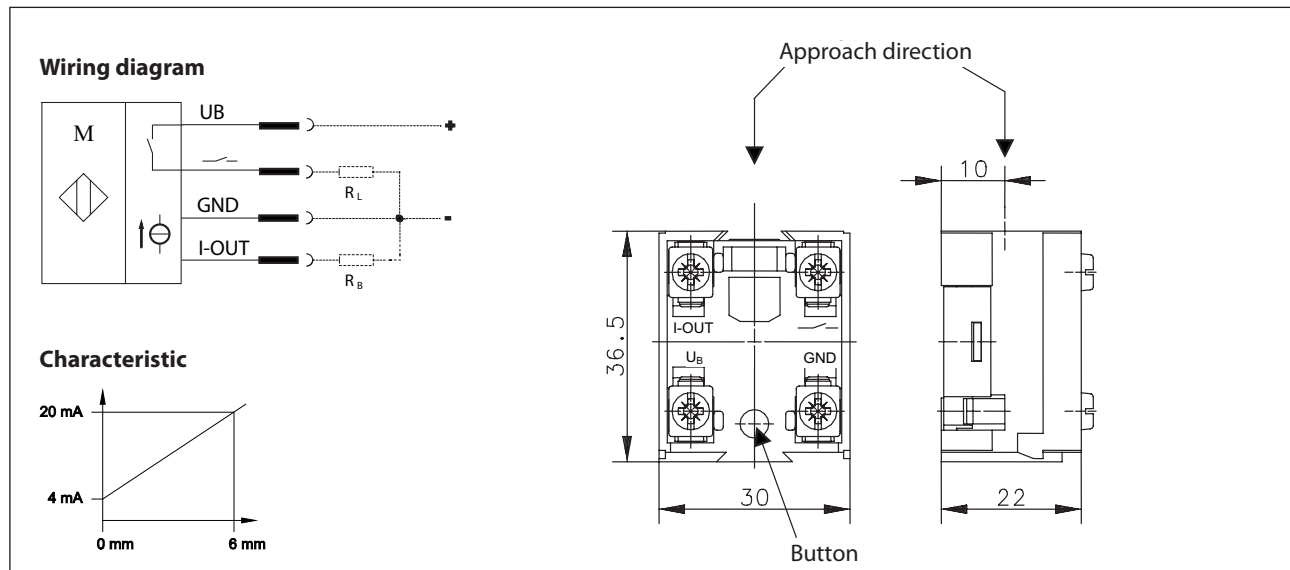


Analogue block

Series C74

Description **C74-ANALOG 4-20mA**

Article number **6613299079**


Identifying characteristics in accordance with EN 60947-5-7

Electrical Data		
Rated operating voltage range	U_B	12 - 26 V DC
Idle current	I_o	< 25 mA
Short-circuit protection type		synchronising, permanently short-circuit and overload protected
Reverse polarity		yes
Readiness delay	t_v	< 50 ms
Analogue output		
Current output		4 – 20 mA
Linearity errors		$\pm 2,5 \%$ from the end value (20 mA), U_B and temperature at a constant level
Temperature errors		$\pm 10 \%$ U_B constant level
Repetition accuracy	R	$\leq 2 \%$ from the end value (20 mA), U_B and temperature at a constant level
max. load resistor	R_B	400 Ω
Switching output		
switching element function	S	PNP NO (teachable)
Hysteresis	H	$\approx 10 \%$
Voltage drop	U_d	$\leq 1,6$ V
Utilization category		DC 12
Rated operational currents	I_e	200 mA
Minimum operating current	I_m	1 mA
Residual current	I_r	< 0,1 mA
Switching frequency		max. 100/min.

Electromagnetic compatibility (EMC) ¹⁾		
Immunity to Electrostatic Discharge	IEC 61000-4-2	(only in installed condition)
Interference resistance against high-frequency electromagnetic fields	IEC 61000-4-3	
Immunity to fast transient interference variables (bursts)	IEC 61000-4-4	
Immunity to conducted interference induced by radio frequency fields	IEC 61000-4-6	
Immunity against magnetic fields with power frequency	IEC 61000-4-8	
Conducted disturbances/Interference voltage/Interference currents	EN 55011 class B	
Radiated disturbances/electric field strength	EN 55011 class B	

Mechanical data	
Actuating travel	6 mm
Actuating force	2,3 N
Enclosure	Thermoplastic, glass fibre-reinforced
Actuation	Plunger internally, Ø8
Ambient temperature	-30 °C ... +80 °C
Mechanical life	10 x 10 ⁶ switching operations
Type of connection	4 Screw connections (M3,5)
Conductor cross-sections	Solid: 0.5 ... 1.5 mm ² Litz wire with ferrules: 0.5 ... 1.5 mm ²
Installation position	any
Protection type	IP00 acc. to EN 60529

Accessories	
	1 x mounting adapter
	1 x impact pin
	installation material

Actuation
The actuation is only started from approach direction.

EU Conformity ¹⁾
acc. to directive 2014/30/EU (EMC-Directive)

Notes
Due to the open structure of the analogue block, there is no special protection against infiltration of water and against contact with voltage-carrying parts! The reliable switching function is only given in BERNSTEIN switching devices! ¹⁾To be conform with the EMC-Directive (2014/30/EU) a shielded connection cable has to be used.

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