

SAIA-Burgess Electronics

SWITCHES - MOTORS - CONTROLLERS

Motor Series - UA

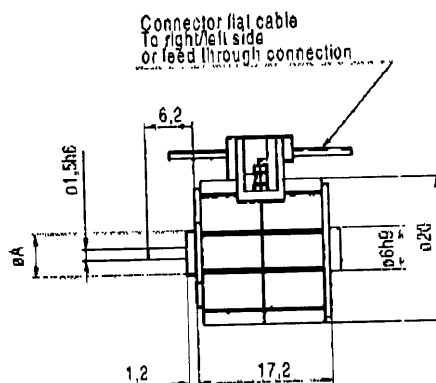
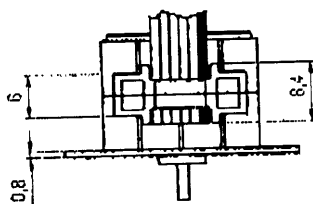
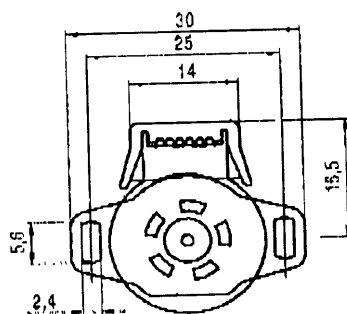
General values

Standard data

Climatic class		"wide-spread" according IEC 721, part 2-1
Ambient temperature operation	°C	-40...+80
Ambient temperature storage	°C	-40...+100
Thermal resistance at I=0 R_{therm}	K/W	32
Thermal class		"B" according IEC 85
Approval		Standard
Life expectancy		3 years in continuous operation
Mounting		any position
Electrical connection		Insulation displacement connection, pins, ribbon cable
Protection		IP 40 according DIN 40 050/ DIN EN 60034-5
Weight	g	25
Rotor stalling		motor can be stopped when voltage is applied, without being overheated
Rotor shaft		hardened steel, grinded, polished
Bearings		sintered bronze, self-lubricating
Surge voltage strength		according EN 60 034-1 / EN 60 335-1

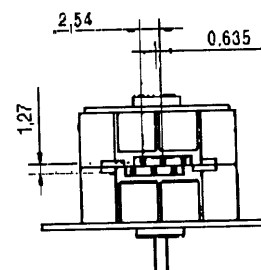
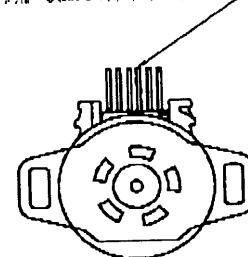
Drawing

Mounting with screw plate



Connector flat cable
To right/left side
or feed through connection

Connecting variation
with wiring pins



Dimension 8A 6h9
8h9

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SWITCHES - MOTORS - CONTROLLERS

SAIA - UAG 1/2

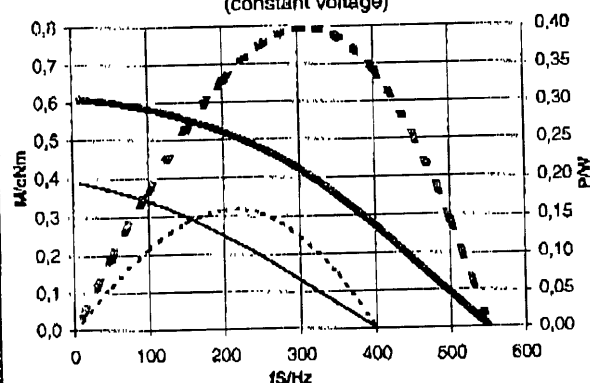
Stepper motor - 18°



Technical data

Steps per revolution			20		
Winding type			bipolar (UAG 1)		
Rated voltage	U_N	V	6	12	24
Resistance per winding	R_{20}	Ω	27	150	675
Winding type			unipolar (UAG 2)		
Rated voltage	U_N	V	6	12	24
Resistance per winding	R_{20}	Ω	35	170	700
Maximum power consumption		W	0,4		
Winding temperature	T_{max}	°C	130		
Duty cycle		%	100		
Holding torque	M_H	cNm	0,7 (UAG 1)		0,5 (UAG 2)
Detent torque	M_S	cNm	0,14		
Direction of rotation			reversible		
Rotor inertia	J_H	gcm ²	0,31		

UAG1 Start/Stop - Range (pull in)
(constant voltage)



Moment

Duty cycle 100%

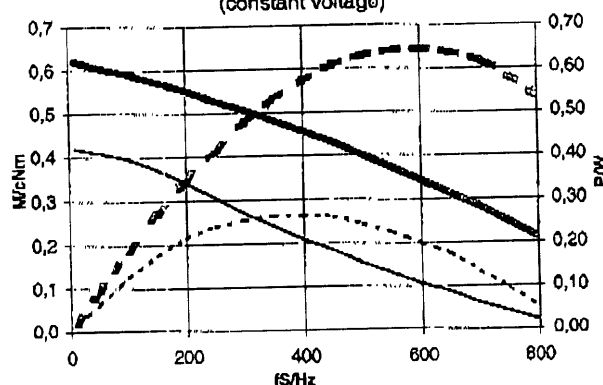
Duty cycle 30%

Output power

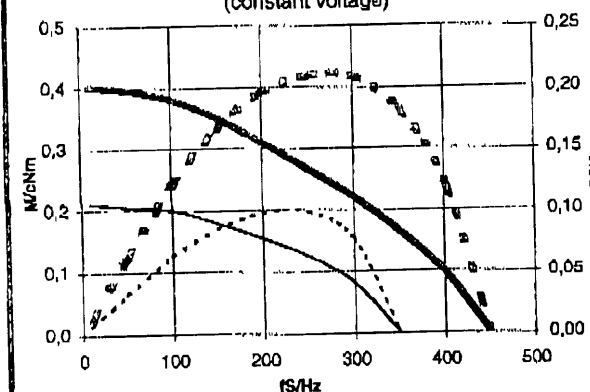
Duty cycle 100%

Duty cycle 30%

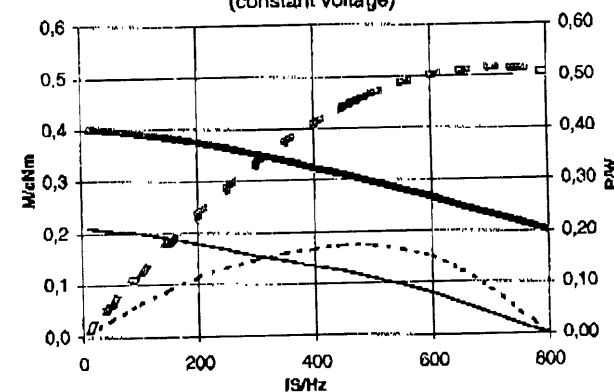
UAG1 Slew - Range (pull out)
(constant voltage)



UAG2 Start/Stop - Range (pull in)
(constant voltage)

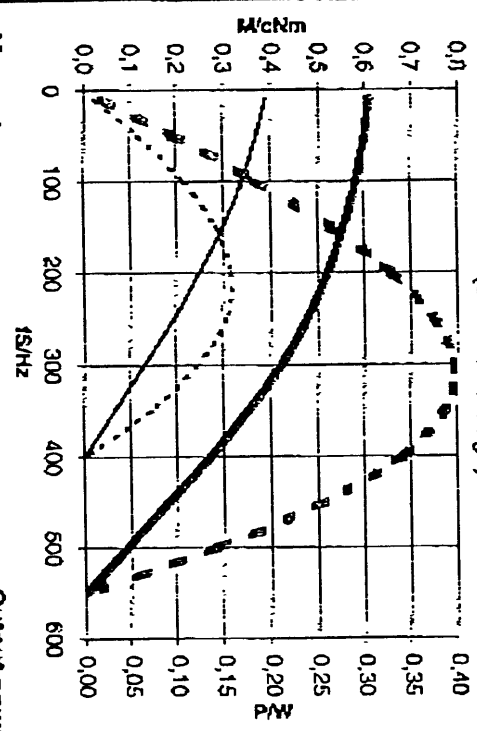


UAG2 Slew - Range (pull out)
(constant voltage)

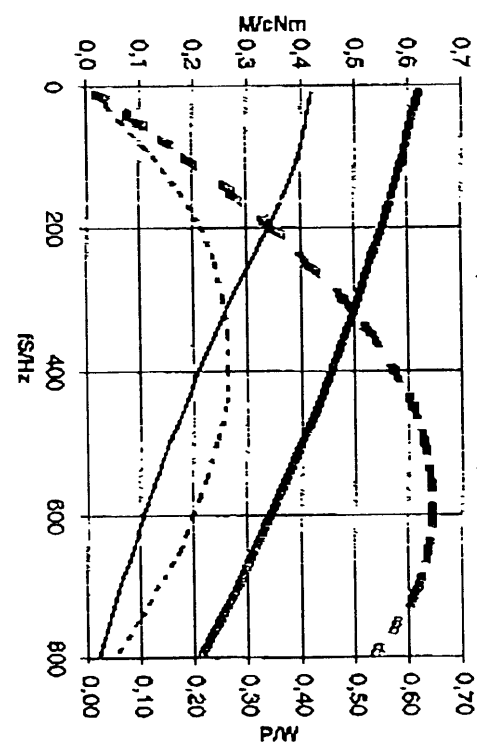


Direction of rotation	reversible	
Rotor Inertia	J_A	gcm ²
	0.31	

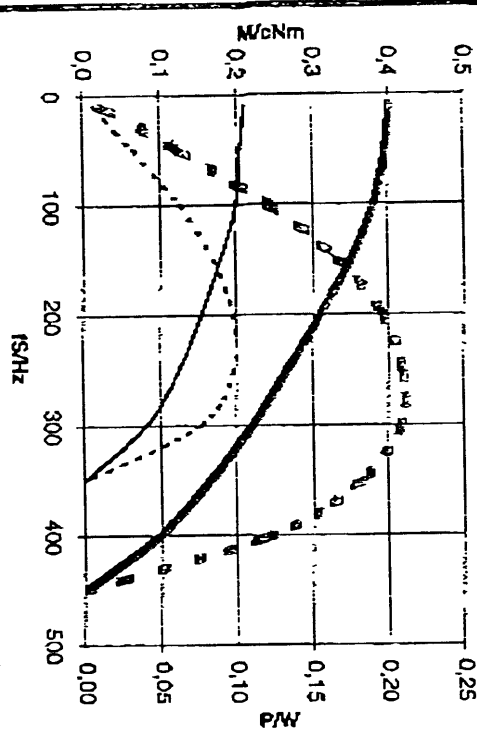
UAG1 Start/Stop - Range (pull in)
(constant voltage)



UAG1 Slew - Range (pull out)
(constant voltage)



UAG2 Start/Stop - Range (pull in)
(constant voltage)



UAG2 Slew - Range (pull out)
(constant voltage)

