

## UDS1

Dimensions (mm)  $\varnothing$  48 x 18,5

Voltage (V) 6–230

Speed (rpm) 50 Hz 500  
60 Hz 600

Pole number 12

Running torque  
(cNm) 50 Hz 0,9  
60 Hz 0,8

Power output (W)  
50 Hz 0,5  
60 Hz 0,5

Gear combination A, D, M, B, F, V, J



## Standard Data

Climatic class	wide-spread according to DIN IEC 60721-2-1
Ambient temperature operation	°C -15...+60
Ambient temperature storage	°C -20...+100
Thermal resistance at f=0 R <sub>therm</sub>	17 K/W
Thermal class	A according to DIN EN 60085
Approval	standard/UL/CSA
Mounting	any position
Electrical connection	cable
Protection	IP 40 according to DIN EN 60529
Weight	102 g
Rotor stalling	motor can be stopped when voltage is applied, without being overheated
Bearings	plastic, self-lubricating
Electric strength	according to DIN EN 60034-1/DIN EN 60335-1

## Order Reference

Type	Synchronous Motor	UDS1	0	N	24 V/50 Hz	R	N
Rotor shaft, mounting	0 centring 8 mm, shaft 1,5 mm, clip 1 centring 8 mm, shaft 2,0 mm, clip						
Approval	N Approval Standard U Approval UL/CSA						
Voltage/Frequency	See next page						
Direction	R clockwise rotation L Counter-clockwise rotation						
Cable	N cable 150 mm (other on request)						

## Technical Data

Rated frequency	Hz	50	60
Speed n	rpm	500	600
Power consumption	W	2,4	1,8
Power output	W	0,5	0,5
Running torque	cNm	0,9	0,8
Rated voltage $U_N$	V	6, 12, 24, 48, 110, 230	
Rotor inertia $J_R$	$\text{gcm}^2$	11	
Detent torque $M_s$	cNm	0,27 (in direction of rotation)	
Tolerance of voltage		standard power supply system + 10% / - 10%	
Duty cycle		100 %	
Winding temperature $T_{\text{max}}$	$^{\circ}\text{C}$	105	
Direction of rotation		clockwise or counter-clockwise	

### Dimensions

