

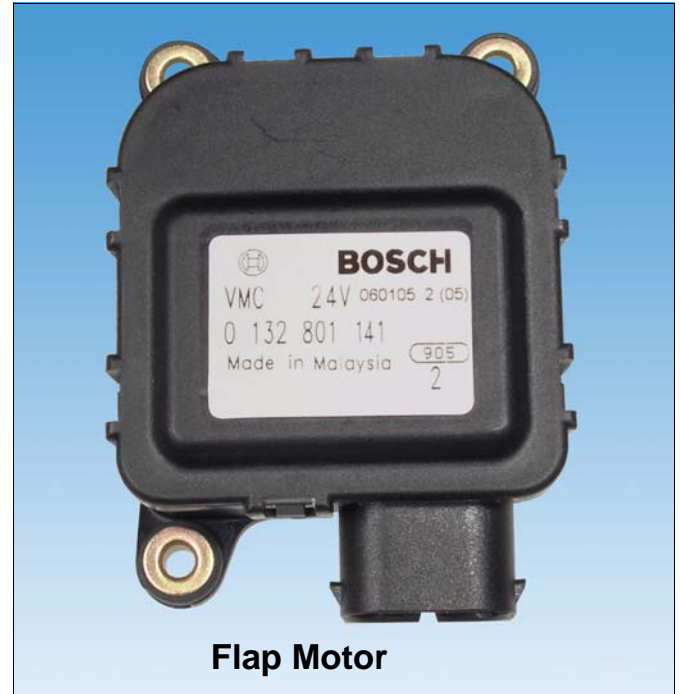
Description

Introduction

UWE Flap motor 24V 0.22W is used in a number of UWE's products to change positions of flaps. The flap motor receives information about selected position and an electrical motor changes the position of the flap shaft. As the motor is equipped with a built-in potentiometer for position feedback, the flap can be regulated in a variable number of positions, provided that the control unit is adapted for this.

Function

The flap motor is of the type "continuous running duty", which means that the flap motor, at 24VDC supply, obtains the selected position and the works to maintain this position until supply is switched off. If position feedback is used in the control unit the voltage supply is switched off as soon as the selected position is obtained, which means that the motor doesn't work continuously. Though the flap motor is designed to cope with continuous 24VDC supply.

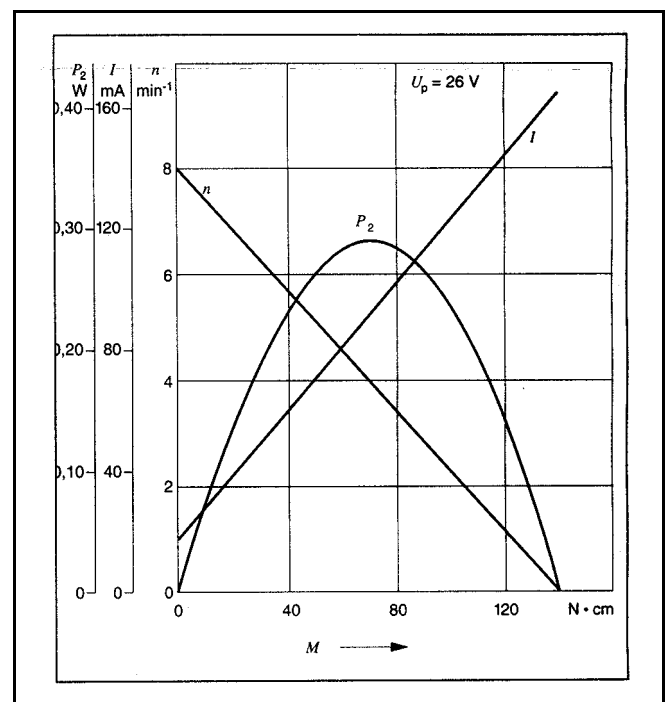


Flap Motor

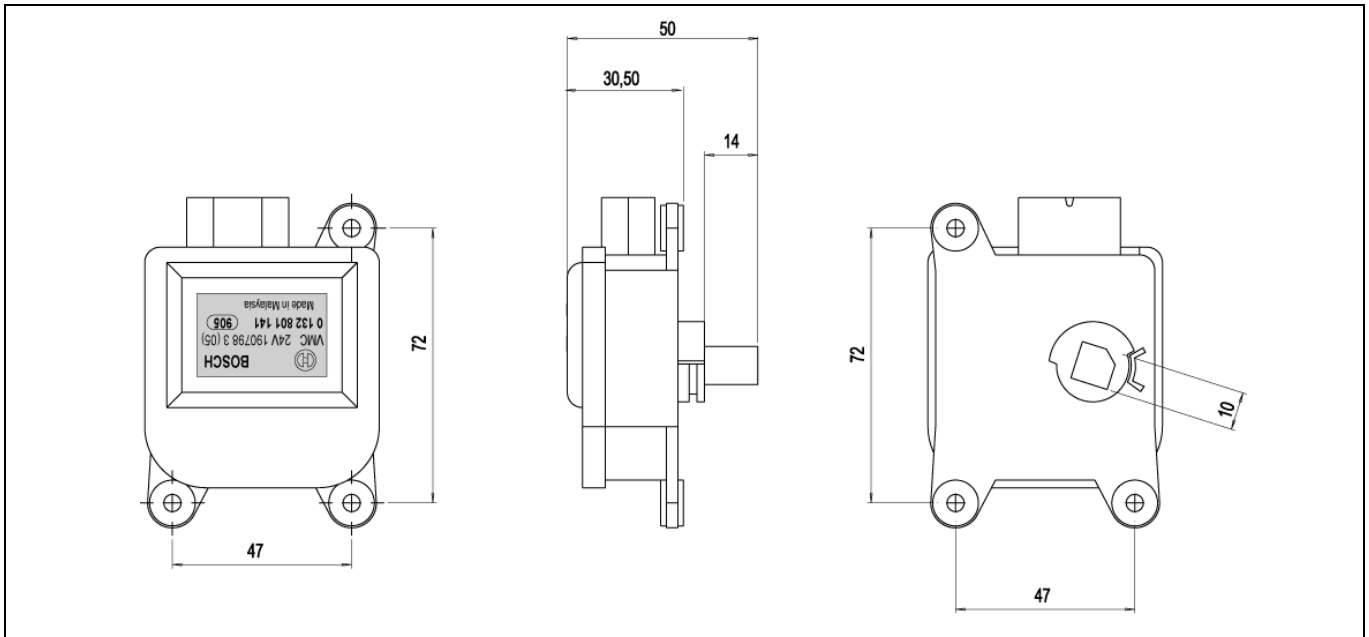
Technical data

General

Nominal voltage	U_N	24 VDC
Nominal power	P_N	0,22 W
Nominal current	I_N	55 mA
Maximum current	I_{MAX}	250 mA
Nominal speed	n_N	6 min ⁻¹
Continuous torque	M_D	35 Ncm
Breakaway torque	M_A	> 100 Ncm
Reduction	i	405:1
Direction of rotation		L/R
Shaft load, max.		
- axial	F_A	< 30N
- radial	F_R	< 50N
Operating temperatur range		-40 - +80°C
Type of duty		S1 (continuous running)
Degree of protection		IP50
Weight		0,12 kg



Dimensions (mm)

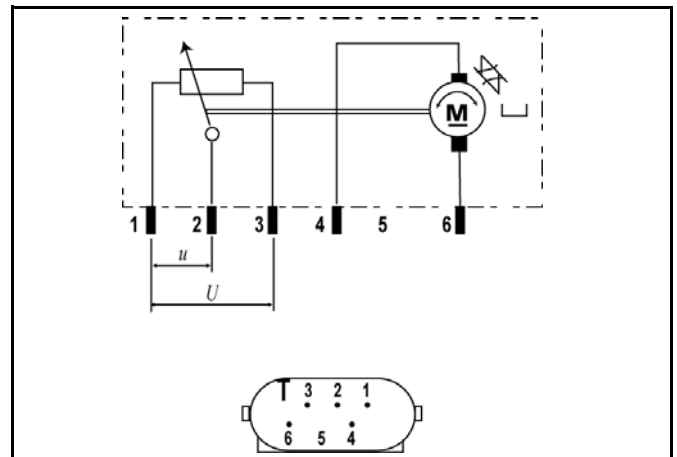


Connections

In order to connect the flap motor, use the following contacts:

Contact flap motor (male)	Description
Contact house (Bosch)	1 928 403 095
Pins for contact house (AMP)	AMP 962 885-1

Connect according to figure right.



Fitting of flap shaft

The flap shaft is to be fitted in a way that a clear moving range is obtained. The flap motor has a free moving about 180 degrees (see figure right) and this should be sufficient for the most of flaps. At replace you must be careful to check the flap/flap motor position and mount the replacing motor in the same way as the old one.

Product

Description	Item No.
Flap motor 24V 0,22W	13225

