

POWERSUPPLY

Type: PS-602

ELMATIK AS

PB.309 NO-3471 Slemmestad
Adr: Skolebakken 1, N-3470 Slemmestad

Tlf:+47 31 28 37 83 Fax:+47 31 28 37 93
e-mail: post@elmatik.no <http://www.elmatik.no>

Vinkelledd
CS 10-M6
DIN 71802
2 Stk.



Låsemutter M6M
DIN 985 6.
2 Stk.



Gjengestang HGS
M6 DIN 976 4,6.
2 Stk. a 0,5M



Sfærisk stanghode
PHS 6A
DIN 12240-4
2 Stk.



Mutter M6M
DIN 934
4 Stk.



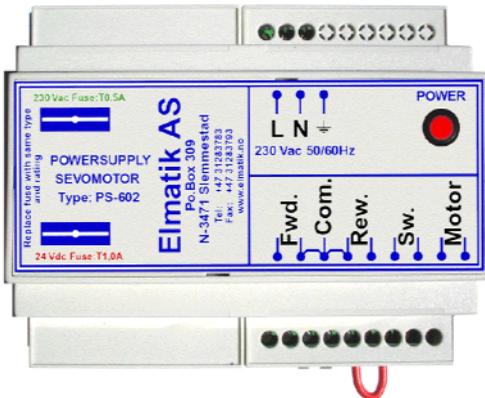
Skrue M6S
DIN 931/933
2 Stk.



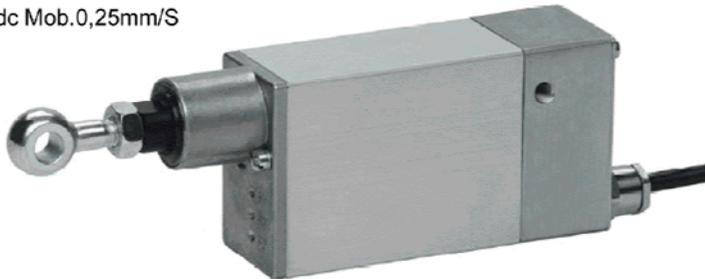
Skive M6
DIN 125
2 Stk.



PS-602 Electronic



LH10-24Vdc Mob.0,25mm/S



Org. nr : NO86682592MVA
Bank : 5188.05.11290

ELMATIK AS

PB.309 NO-3471 Slemmestad
Adr: Skolebakken 1, N-3470 Slemmestad

Tlf:+47 31 28 37 83 Fax:+47 31 28 37 93
e-mail: post@elmatik.no <http://www.elmatik.no>

SERVOMOTOR TYPE PHOENIX MECANO LH 1037

MECHANICAL

If the servomotor is mounted in order to replace an original TA servomotor, this has to be removed.

New bracket for support of servomotor has to be made, in order to get the new one lined up and pointing to the fixing point on the diesel pump.

When mounting, the movement of handle on diesel pump should be considered. Due to the special fixing components, some "out of line" movement can be accepted.

The new servomotor (Mecano type LH 1037) has a total movement of 17 mm. Internal limit switches are mounted.

The servomotor should be moved to mid position before fixing to the diesel pump.

ELECTRICAL

The supply voltage to the servo motor (Mecano type LH 1037) is 24 V DC.

The old TA motor was driven on 24 V AC.

This voltage was made by a transformer in the main switchboard.

(Original trafo was placed in a red plastic cower)

This required a 3 – wire connection to the motor.

New motor (Mecano type LH 1037) requires only 2 wires.

Remove the supply to the transformer and see this is 230VAC.

Connect this to the plastic box POWER SUPPLY SERVMOTOR PS 602.

Terminals L-N.

Connect the switches for running the RPM up/down, and the servomotor.

See drawing: E-3303.

The existing wiring for running RPM up/down should be used.

If the servomotor is running in wrong direction switch the motor cables.

ELMATIK AS

PB.309 NO-3471 Slemmestad
Adr: Skolebakken 1, N-3470 Slemmestad

Tlf:+47 31 28 37 83 Fax:+47 31 28 37 93
e-mail: post@elmatik.no <http://www.elmatik.no>

Pre Information / tips

There are a lot of different installations concerning the TA-Motor; unfortunately we don't know them all.

The mounting kit is meant to be a supply to help mounting the new servomotor to the existing system.

The bracket to support the new servomotor may be custom made, possibly at sight to fit the mechanical demands.

Some tips are to take care of the slight eccentric movement of the diesel-pump handle.

The rod ends are to be used to fix the servo to the bracket so it can follow the eccentric movement.

To extend the fixing length between the bracket and servomotor, use the threaded metal rod.

The angle joints are to be used in combination with the threaded metal rod to make an axial joint.

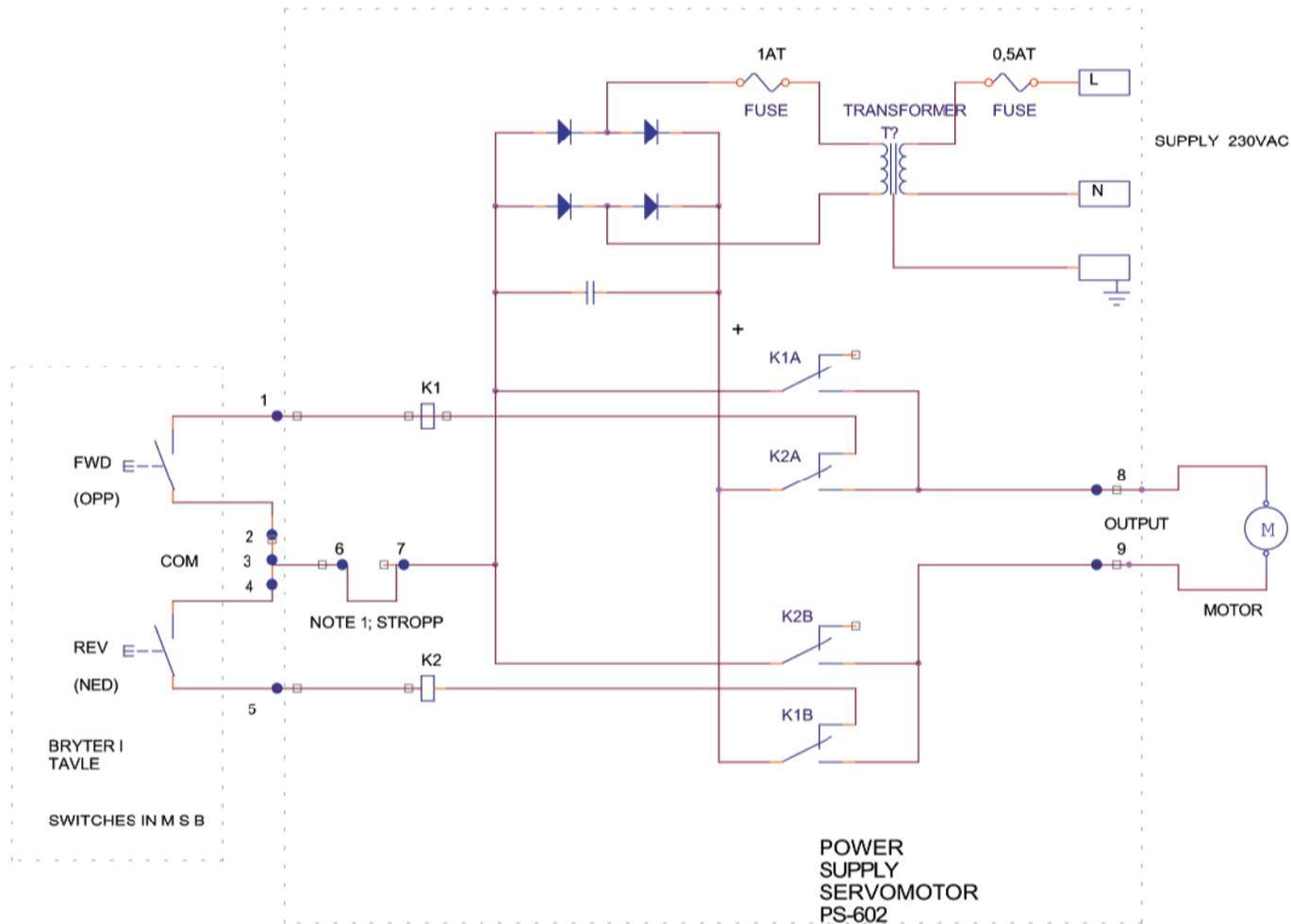
This axial joint is then the connecting link between the diesel pump handle and the servomotor 'actuator' arm.

To fix the angle joint to the fixing eye of the actuator arm can be done by spot welding the angle joint directly or spot-weld a 6mm nut to the actuator arm.

I do hope this information gives some help concerning the mechanical mounting.
Information of the electrical installation can be found previous page .

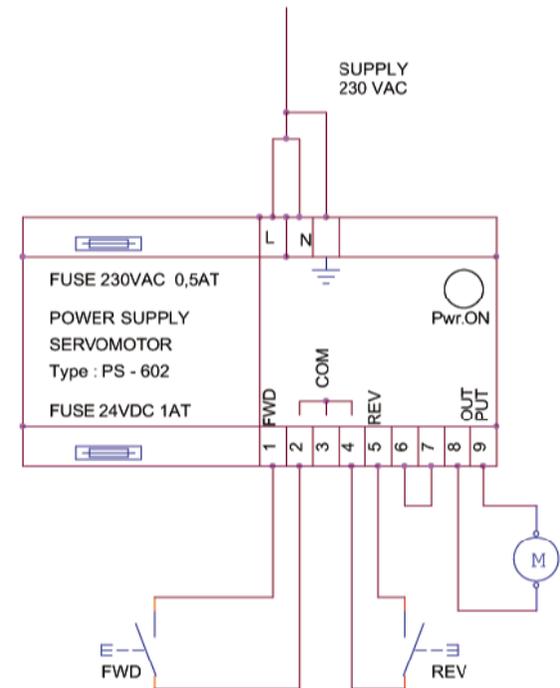
Pictures on this information leaf may differ from actual items delivered.

Angle joint	->	Vinkelledd CS 10-M6
Axial joint	->	Sfærisk stanghode PHS 6A
Nutt	->	Mutter
Threaded metal rod	->	Gjengestang HGS M6



NOTE1: TILKOBLING BRYTER FOR UTKOBLING NAR AGGREGAT STOPPET.

NOTE 1 : SPECIAL SWITCH FOR NO OPERATION WHEN MOTOR STOPPED. (IF NOT IN USE STRAPPED)



ELMATIK A/S

PO.BOX 309
N-3471, Slemmestad

TEL: +47 31283783
FAX: +47 31283793

Title: POWER SUPPLY SERVO MOTOR
ELMATIK TYPE PS - 602

Size A3	Document Number: E-3303	Remarks: none none	Rev: 0
Date: Thursday, September 08, 2005	PLS Software ver.: none	Sheet: 1 of 1	