

LINEAR ACTUATOR

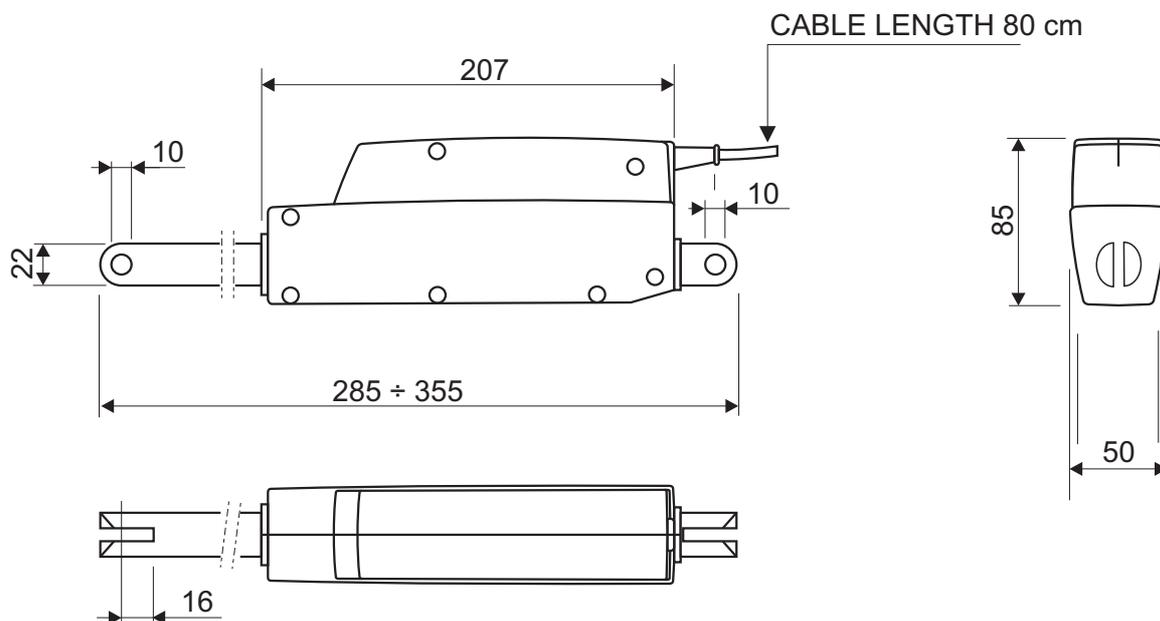
TYPE **VAR-140**



TECHNICAL DATA

- BATTERY SUPPLY	12 VDC (MAX 16 VDC)
- MAX. FORCE	30 kg (300 N)
- MAX. CURRENT ABSORPTION	(12 VDC 3A)
- MAX. DISTANCE	70 mm
- INSERTION RATIO	20 %
- MAX. OPERATING TIME	8 min
- TEMPERATURE RANGE	-10 ÷ +50 °C
- DEGREE OF PROTECTION	IP 51
- WEIGHT	850 g
- SPEED AT NOMINAL VOLTAGE	7mm/s ± 1 mm/s (70 mm in 10 SEC.)

DIMENSIONS



LINEAR ACTUATOR TYPE VAR-140

Used to command a diesel engine accelerator.

NOTICES



Warning: **adhere closely to the following advice**

- Be sure to correctly connect the conductors leaving the actuator
- When making connections always follow the Circuit Diagram on page 3.
- Never try to open the actuator, this will have a lasting influence on the degree of protection
- Always install below any other equipment that produces or spreads heat

THIS ACTUATOR IS NOT SUITABLE FOR USE UNDER THE FOLLOWING CONDITIONS:

- where the environmental temperature is outside the limits specified in the enclosed technical sheet
- where there is danger of fire or explosions
- where the actuator could receive knocks or strong vibrations
- where pressure and temperature variations are so rapid that exceptional levels of condensation are produced
- where there are high levels of dust, smoke, vapour, and salt pollution or corrosive or radioactive particles
- where there are high levels of radiated heat due to the sun, furnaces, etc.
- where mould or small animals could attack

ELECTROMAGNETIC COMPATIBILITY

This actuator functions correctly only if inserted in plants that conform to the marking for CE norms. The actuator conforms to the immunity requirements of norm EN61326-1, but it cannot be excluded that in extreme cases in particular situations malfunctions could appear.

The installer has the task of ascertaining whether the levels of disturbance fall within the limits set out by the norm.

USE AND MAINTENANCE

The following maintenance operations should be performed every week:

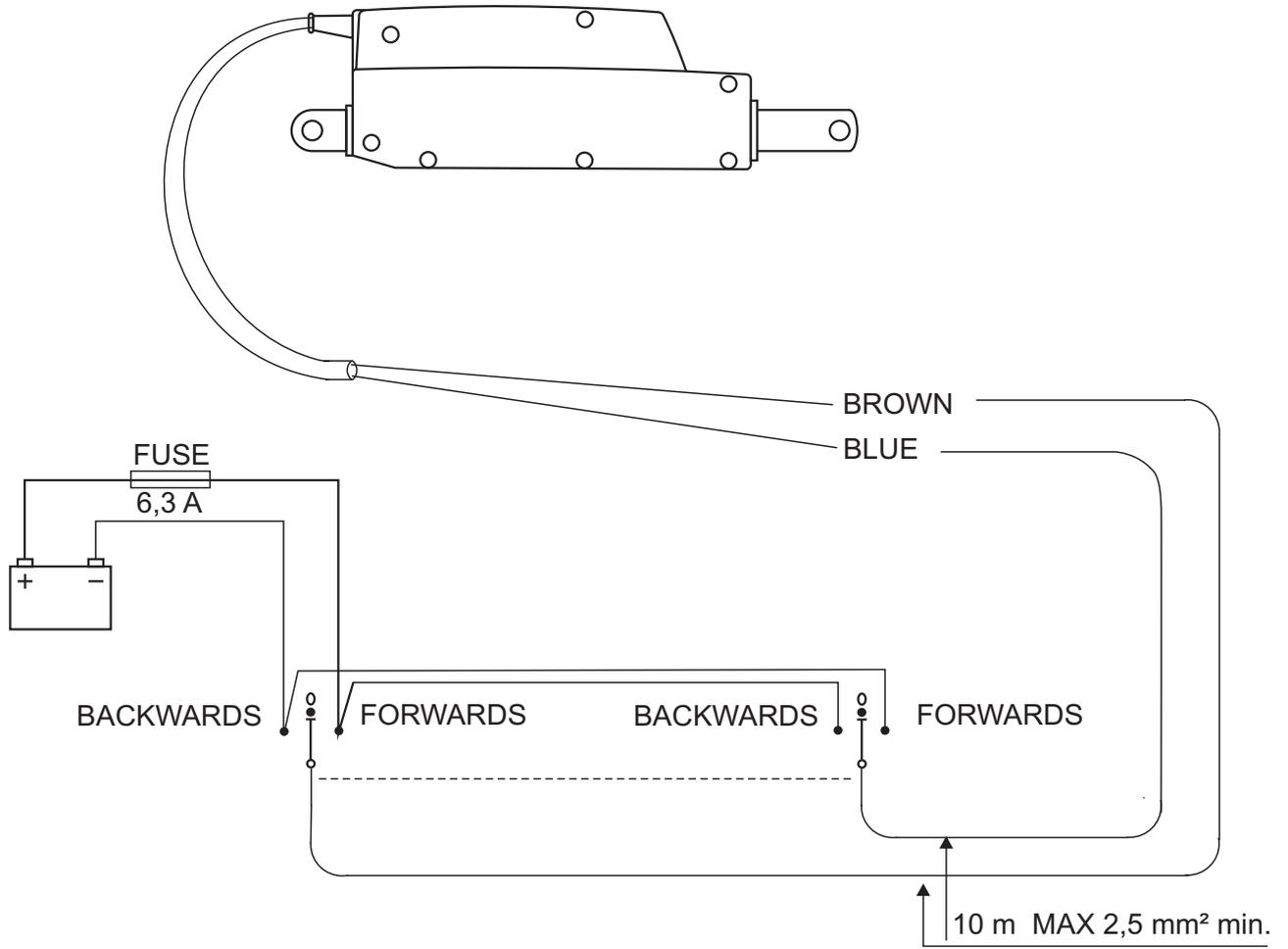
- Check that the connecting bolts and screws are tight.
- Check that the terminals to which the equipment is attached are tight.
- Check the supply cable sheath.
- Check the batteries.

THIS ACTUATOR IS NOT SUITABLE TO BE USED AS A CRITICAL COMPONENT IN LIFE SUPPORT SYSTEMS FOR PERSONS OR OTHER BEINGS UNLESS OTHERWISE STATED IN A WRITTEN DECLARATION FROM US.

Any use which differs from that which is indicated in this instruction and user manual must be authorized by the manufacturer.

YOUR ELECTRICAL TECHNICIAN CAN TELEPHONE OUR TECHNICIAN
AND ASK ANYTHING ABOUT THIS ACTUATOR.

CIRCUIT DIAGRAM



DO NOT MOUNT IN A WAY THAT COULD CREATE DANGEROUS SITUATIONS.

type **VAR-140 12V**code **00571543**

CONFORMITY DECLARATION



The company Elcos s.r.l. assumes full responsibility for declaring that the equipment:

Type: **VAR-140**

Installed and used in the ways and for the purposes described in the instruction and user manual, is in conformity with the following directives:

- 2004/108/CE related to the electromagnetic compatibility and that repeals the directive 89/336/CEE,
- 2006/42/CE and later modifications 95/16/CE, concerning the safety of machinery.
- 2011/65/UE concerning the safety of machinery on the restriction of the use of certain hazardous substances in electrical and electronic equipment,

because it is built and functions in accordance with the harmonized Standards: EN 61000-6-2, EN61000-6-3, EN60204-1, EN 60529.

The actuator VAR-140 is intended to be incorporated in or combined with another machine. This actuator must not be operated until the said machine has been declared to be in conformity with the requirements of the relevant Directives.