

Quick installation guide
Read this first.

ENG



DERTEC stainless steel motors are quality products.

It is very important that the instructions below are followed during installation.

In addition to following the standard safety instructions, the technician will need to be familiar with the correct installation of the motors in damp working conditions.

Therefore, please read the instructions below carefully before installing and connecting DERTEC stainless steel drives.

General

- Disassembly of the motor is not permitted.
- Never remove the bearing shields!
- The warranty will be void if disassembly has been performed by anyone other than DERTEC employees.

To ensure proper operation, bearings, seals, O-rings and hygienic rings may only be replaced with OEM parts. Contact DERTEC or your local agent for a repair kit.



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FP2SS



SL3SS



DERTEC FP2SS Serie AC motoren

Open the cover of the junction box using an appropriate tool.
Prevent damage to the threads and O-ring.



The connection cable and conductor ferrule must be suitable for temperatures up to 120 °C. Prepare the leads of the motor winding for the correct connection (Y or Δ) according to the motor nameplate. The red/black marked wires are for the PTCs. The yellow marked wires are for the bimetal thermal protectors.



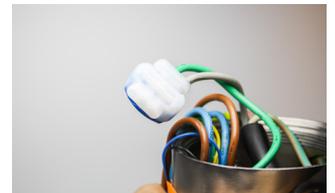
Carefully remove the insulation from the earthing cable and get an eye-type cable lug suitable for the cable used, with the corresponding diameter. Fit the cable lug onto the earthing cable. Crimp the cable eye to the earthing cable.



Route the cable through a suitable stainless steel cable gland into the terminal box. In the example a stainless steel cable gland is used. Check that the cable gland diameter matches the cable diameter you are using. Ensure that the assembly and connection are performed so as to maintain the protection class. If the second cable entry will not be used, it must be thoroughly sealed with the supplied stainless steel blind nut and O-ring.



Connect the motor winding leads and the motor wires with suitable crimp connections in accordance with the wiring diagram. The same instructions apply for the built-in PTCs and bimetal thermal protectors. Connect the earth wire to the earth connection in the motor.



Lightly grease the O-ring and close the terminal box. Prevent any damage to the O-ring and make sure the cap is closed firmly.





DERTEC Signature line SL3SS serie AC motoren

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Prevent damage to the threads and O-ring.



Carefully remove the insulation from the earthing cable and get an eye-type cable lug suitable for the cable used, with the corresponding diameter. Fit the cable lug onto the earthing cable. Crimp the cable eye to the earthing cable.



The power cable must correspond with the size of the cable gland. It must fit perfectly to ensure protection against moist.



Connect the motor winding leads and the motor wires with suitable crimp connections in accordance with the wiring diagram. The same instructions apply for the built-in PTCs and bimetal thermal protectors. Connect the earth wire to the earth connection in the motor.



Lightly grease the O-ring and blue hygiene ring. Grease the O-rings on the central mounting pin. Place the terminal box cover over the central mounting pin and make sure that the cable gland is positioned so that the cable gland is facing down. Take the mounting bolt, grease the blue sanitizer and place it around the mounting bolt.



Insert the mounting bolt into the center pin and tighten securely. The O-rings offer sufficient protection against moisture penetration, the blue hygiene rings ensure a hygienic seal.

