

## Danfoss Power Electronics A/S

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## Confirmation

**Danfoss Power Electronics A/S  
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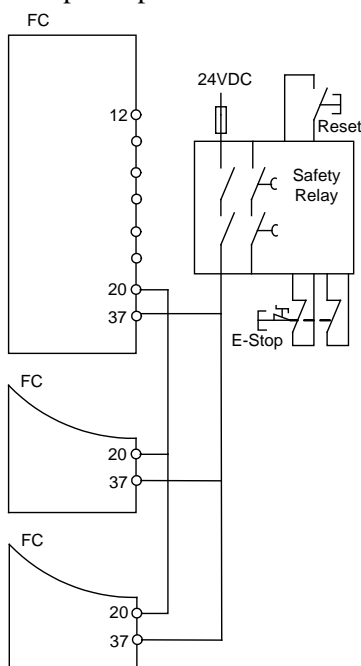
We hereby declare under our sole responsibility that the T37 (Safe Stop) can be used in parallel on several drives with one Safety Relay.

FC302 Safe Stop inputs T37 (STO) may be connected directly together if it is required to control multiple drives from the same control line via one Safety Relay.

Connecting inputs together increases the probability of a fault in the unsafe direction, since a fault in one drive might result in all drives becoming enabled. The probability of a fault for T37 is so low that several drives can be connected and still SIL2 requirements are met. The machine builder has to verify that this is the case for the whole application.

For all applications with Safe Stop it is important that short circuit in the wiring to T37 can be excluded. This can be done as described in EN ISO 13849-2 D4 by the use of protected wiring, (shielded or segregated).

Example implementation:



Place and date of issue:

Gråsten, 10-03-2011

Per Østergaard Nielsen  
Director, Global Test