

Danfoss PVED CC, CANopen electric activations.

Danfoss PVED CC, CANopen electric activations (the 5 Series) are being implemented on the entire RCS crane segment. In doing so, the pre-existing PVED CC, ISOBus electric activations (the 4 Series), used on HMF cranes with Danfoss PVG32 control valve since the introduction of the RCL5300, will be phased out. Thus all functions on the PVG32 control valve will be activated by PVED CC, CANopen electric activations. The implementation has been carried out, as from week 7 - 2020, on RCS mid-range cranes, 1610K, 1620K, 1910K, 1920K, 2310K, 2320K, 2810K and 2820K and will currently be implemented on the rest of the RCS crane segment.

The new generation of PVED CC, CANopen electric activations from Danfoss are distinguishable from the previous PVED-CC, ISOBus electric activations in having a slightly changed design with somewhat smaller physical dimensions as well as a different plug connection of the Deutsch type along with the corresponding new loop cables and termination.

- PVED CC, CANopen electric activation, HMF part number 62366
- PVED CC, CANopen loop cable, HMF part number 28779
- PVED CC, CANopen termination, HMF part number 62701
- PVED CC, CANopen RCL cable, HMF part number 28780

The Danfoss PVED CC, CANopen electric activation is activated by the CAN-bus protocol, CANopen, which involves a new procedure for ID-coding similar to the other CAN controllers (ECT 5310, ECT 5320, CIO 5376, angle sensors, etc.).

ID-coding of PVED CC, CANopen electric activations is carried out with Service terminal CGW5355, menu item 1.2.1.5 "Change Node ID". For further instructions as well as a Node ID table for individual crane functions, see the HMF training course documentation "Crane Controls" at [gb.hmf.dk / Extranet \(Login\) / Technical Service Department / Training Documentation](http://gb.hmf.dk/Extranet(Login)/TechnicalServiceDepartment/TrainingDocumentation).

In the event of an error in a PVED-CC, CANopen electric activation an error code 19 will appear, as with other CAN bus units on the network, if the electric activation is not visible on the CAN network, or error code 25 if the electric activation is not sending the correct data.

Pushing the red press button on the RCL 5300 will display the Node ID of the faulty electric activation.

PVED CC, CANopen electric activations mounted on Danfoss PVG32 valve block.



PVED CC, CANopen electric activations with corresponding loop cables and termination.

