Saia-Burgess Controls AG
Bahnhofstrasse 18 I CH-3280 Murten I Schweiz
T +41 (0)26 672 72 72 I F +41 (0)26 672 74 99

Intern

Daniel GUMY I T +41 (0)26 672 7277 I info@saia-pcd.com

Betrifft: **Specification for the Mounting of Ferrite on PCD3.Mxxxx and PCD3.T760**
to satisfy the Det Norske Veritas Rules

For Treatment	for Information	for Information
PCD3 Users	DNV / OM Nesvag	

Datum: First Edition 07.03.2006 approved by DNV
Second Edition 22.05.2006: Ferrite necessary for PCD3.Mxxxx less than D

Condition to satisfy the radiated emission 156-165MHz/24dBuV/m/ 3m

Both the PCD3.M5540 and PCD3.T760 as isolated equipment generate to high to high radiated emission. Applying the two following conditions the facilities will be compliant to the requirement in frequency 156-165MHz/24dBuV/m/ 3m:

- First they need to be enclosed in a metal cabinet.
  The equipments are fixed on the back plan of the cabinet. The cables are lead in channels near this back plan. This help to attenuate the emission level.
- Secondly, the ingoing and outgoing cables have to go through Broadband Ferrite Cores.
  We advice to use on core for the wires on the CPU side (diameter 6.35mm), with two turn and one core for the cables of one or two In/Output modules with one turn

Manufacturers of ferrite cores like Kitagawa are supplier of Broadband Split / Snap-on Ferrite Cores for Round Cables that can easily be mounted afterwards. This is a real advantage because without disconnect of cable no fault will be added.

Type of Ferrite: **Kitagawa SFC-10**
Prescription of Montage, see pictures below.

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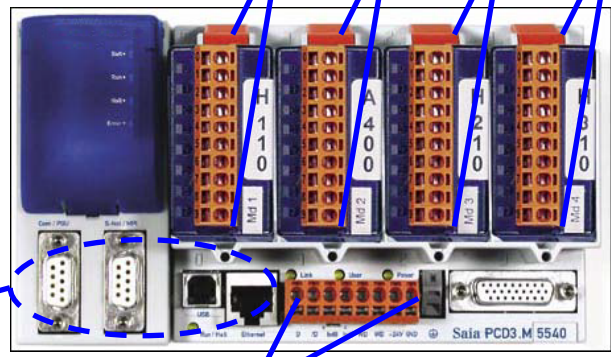
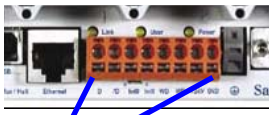
Specification for the Mounting of Ferrite on PCD3.Mxxxx Version less than "D" and PCD3.T76x

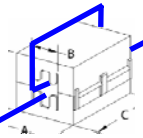
to make the installation compliant to DNV emission 156-165MHz/24dB/3m.

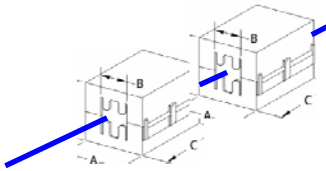
One Ferrite for the wires of two Input/Output Modules



No ferrite on shielded cables for PGU, SNet, Ethernet







One Ferrite with two turns for wires of the Supply

Note: As alternative when the wires are too short for two turn: use two Ferrites in series

Saia-Burgess Controls Ltd / Quality and Certification
Autor: **Daniel Gumy**
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