

Saia-Burgess Controls AG

Bahnhofstrasse 18 | CH-3280 Murten | Schweiz

T +41 (0)26 672 71 11 | F +41 (0)26 672 7499

**Intern**

-----  
Daniel GUMY | T +41 (0)26 672 7277 | [pcd@saia-burgess.com](mailto:pcd@saia-burgess.com)  
-----

Betrifft: **Specification for the Mounting of Ferrite on PCD3.Mxxxx and PCD3.T760**  
to satisfy the Rules of the Ship Approval  
-----

For Treatment

for Information

for Information  
-----

PCD3 Users  
-----

Datum: First Edition 07.03.2006

Second Edition 15.06.2006: Ferrite necessary for PCD3.Mxxxx less than D, and PCD3.T76x  
-----

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

Both the PCD3.M5540 (Version less than D) 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:

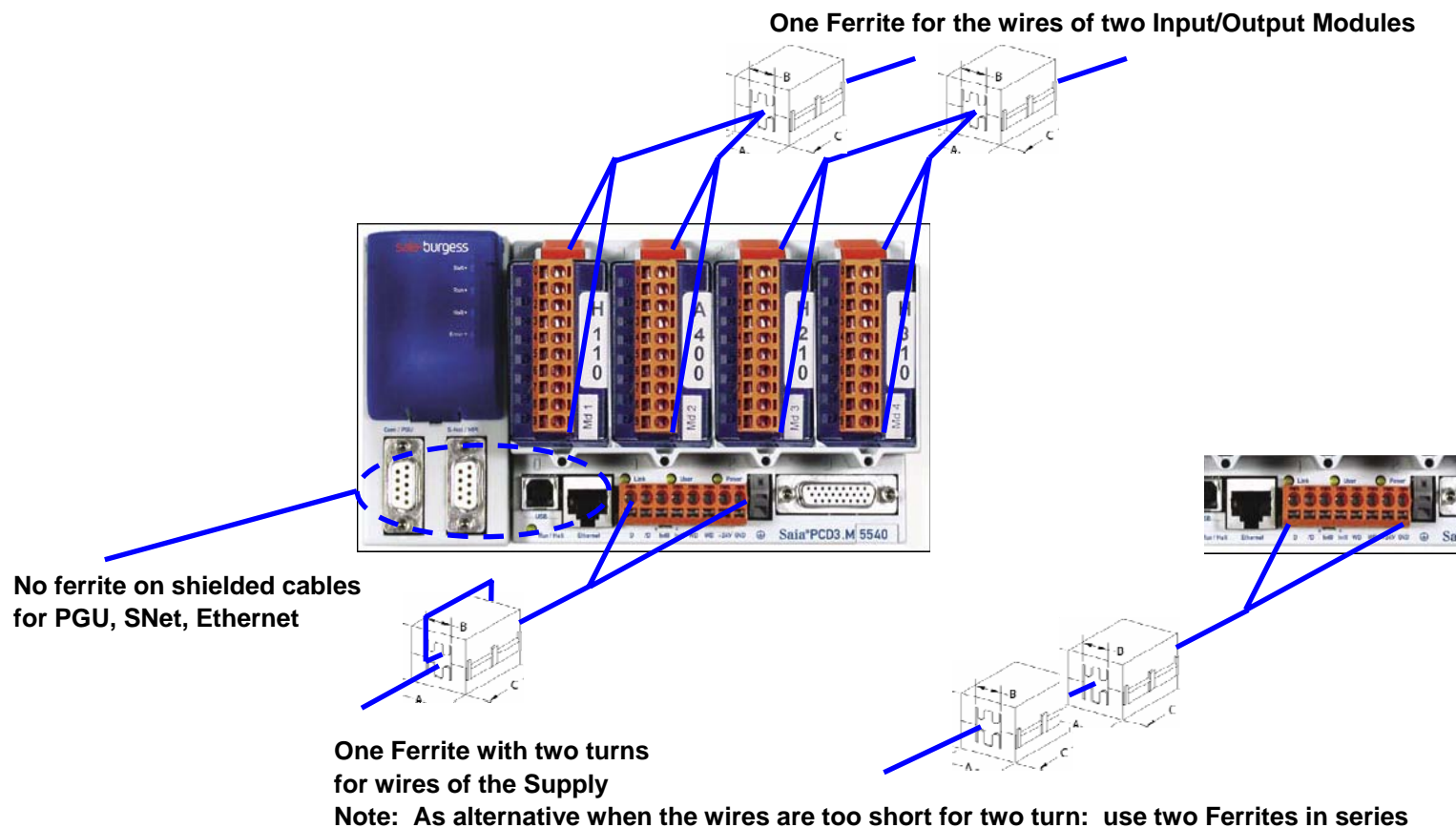
- First they need to be enclosed in a metal cabinet.  
The equipments are fixed on the back plan of the cabinet. The cables are lead in channels near this back plan. This help to attenuate the emission level.
- Secondly, the ingoing and outgoing cables have to go through Broadband Ferrite Cores.  
We 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.

**Specification for the Mounting of Ferrite on PCD3.Mxxxx Version less than "D" and PCD3.T76x**  
to make the installation compliant to the request of the Ship Approval concerning emission 156-165MHz/24dB/3m.



Saia-Burgess Controls Ltd / Quality and Certification

Autor: Daniel Gummy

Revision: Date 15.06.2006