

**Provisioning of 750 V, 3-phase power contactors for isolation of IV coupler input and ACB output (HOG-A & HOG-B) in LHB Power cars**

**Scope:**

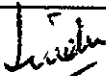
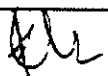

Supply and installation of converter contactors HOG-A and HOG-B for isolation of IV coupler and ACB output along with single phase 100 VA , 750/415 V control transformers with fuses in LHB EOG power car coaches as per Amendment-1 to RDSO modification Sheet no. RDSO/PE/MS/AC/0051-2011, Rev.-2. The scope of supply shall be as under:

**Scope of Supply:**

S.No	DESCRIPTION	Spec./Cat. No.	Make.	QPC
1.	Power contactors for HOG-A & HOG-B, 3-pole, 1 KV, 630 A with control voltage 440 V AC + 10/-20%, 50 Hz with auxiliary 4 NO + 4 NC	LC1F630	Telemecanique France, Schneider or equivalent of ABB.	2
2.	Single Phase 100 VA 750/415 V control transformer with two no. of fuses of 1A, 1.2 KV in primary winding and 02 nos. fuses of 1 A, 500 V in secondary winding. (Details are mentioned at S.no. 8 of Clause 5.1 of modification sheet)	The transformer should be with H class insulation and fit for rolling stock application. The primary and secondary terminals shall be taken out from opposite sides. The general mounting arrangement of 100 VA transformer shall be as per sheet 01 of RDSO drg. no. RDSO/PE/SK/AC/ 0188- 2015, Rev.-0. The 100 VA control transformer shall be of Production unit approved source or M/s Siemens/Medha make.	Single phase 100 VA, 750/415 V having insulation level of 6 KV, AC with fuse of M/s Ferraz/Siba/Siemens/L&T/C&S/Bus sman make or equivalent.	2
3.	Copper Crimping sockets, ferrules, e-beam cables, Hardwares	RCF/RDSO approved makes only		As per requirement.

**Note:**

- The system shall be installed and necessary wiring modification shall be done by the supplier in the DA set control panel to specification no. EDTS-103, Rev.-D, Am.-7 along to comply with Alt.-7 of Am.-1 to the modification sheet no. RDSO/PE/MS/AC/0051-2011, Rev.-2. Firm shall submit the detailed drawings for approval from CEDE/RCF prior to bulk supplies.
- Copper Crimping sockets, ferrules, e-beam cables, hardware required as per the requirement and any other accessories required for the installation/commissioning at RCF shall be in the scope of supplier.

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