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To whom it may concern

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Subject: RoHS II declaration for Electronic Relays and Controls

On January 3rd 2013, Directive 2011/65/EU (RoHS II) on the restriction of the use of certain hazardous substances in electrical and electronic equipment replaced Directive 2002/95/EC (RoHS).

According to the current best knowledge and according to the information provided by suppliers, ABB states that manufactured electronic relays and controls comply with the materials and sub-stances restrictions in Directive 2011/65/EU (RoHS II) and Amendment Directive (EU) 2015/863.

All information concerning RoHS exemptions is illustrated in appendix of ABB Document 1SVD9810014401

With best regards,

ABB AG
STOTZ-KONTAKT

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ELSP Quality Manager

This certificate has been released via a personalized electronic workflow and is valid without signature.

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RoHS EXEMPTIONS for Electronic Relays and Controls

1 - Lead, cadmium and mercury in detectors for ionising radiation

Some components mounted in :

- Time Relays CT-ARS.x, CT-TGC.x, CT-ARC.x
- Single Phase Monitors CM-SRS.xxx , CM-SFS.xxx ,CM- ESS.xx , CM-EFS.xxx
- Grid Feeding Monitors CM-UFD.x
- Thermistor Motor Protection Relays CM-MSS.xxx, CM-MSE
- Three Phase Monitors CM-MPS.xxx, CM-PVS.xxx , CM-PAS.xxx, CM-MPN.xxx, CM-PSS.xxx

6(c) - Copper alloy containing up to 4% lead by weight

Some components mounted in :

- Motor Load Monitors CM-LWN
- Insulation Monitors CM-IWX.xx , CM-IVN.x

7(a) - Lead in high melting temperature type solders (i.e. lead-based alloys containing 85% by weight or more lead)

Some components mounted in :

- Motor Load Monitors CM-LWN
- Time Relays CT-SDS.xxx , CT-APS.xx ,CT-AHS.xxx , CT-WBS.xx, CT-MXS.xx,CT-ERS.xxx, CT-MVS.xxx, CT-MFD.xx, CT-ARS.xxx, CT-MFC.xx, CT-MKC.xx, CT-WDS.xx, CT-MFS.xxx, CT-MBS.xxx, CT-SDC.xx, CT-SAC.xx, CT-PAC.xx, CT-TGC, CT-EBC.xx, CT-AHC.xx, CT-VWC.xx, CT-ERC.xx, CT-AHD.xx, CT-ERD.xx
- Grid Feeding Monitors CM-UFD.x
- Thermistor Motor Protection Relays CM-MSS.xxx, CM-MSE, PTC Temperature sensor C011-x-x
- Insulation Monitors CM-IWS.xx , CM-IVN.x
- Liquid Level Monitors and Controls CM-ENS.xxx , CM-ENE.xxx
- Single Phase Monitors CM-SRS.xxx , CM-SFS.xxx ,CM- ESS.xx , CM-EFS.xxx
- Temperature Monitors CM-TCS.xxx , CM-TCN.xxxx
- Three Phase Monitors CM-MPS.xxx , CM-PSS.xxx , CM-PFS.x , CM-PVS.xxx , CM-PAS.xxx , , CM-PVE.x, CM-PBE.x

7(c)-I - Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound

Some components mounted in :

- Three Phase Monitors CM-MPS.x, CM-PFS.x , CM-PFD.x, CM-PVE, CM-PFE.x, CM-PVS.xxx, CM-PBE, CM-MPN.xxx,
- Motor Load Monitors CM-LWN
- Thermistor Motor Protection Relays CM-MSS, CM-MSE
- Temperature Monitors CM-TCS.xxxx , CM-TCN.xxxx
- Insulation Monitors CM-IWS.xx , CM-IVN.x
- Time Relays CT-VWD.xx , CT-AHD.xx, CT-TGD.xx , CT-ERD.xx, CT-TBD.xx, CT-MFD.xx, CT-WBS.xx, CT-MVS.xxx, CT-MBS.xxx, CT-MFS.xxx, CT-ARS.xxx, CT-WDS.xx, CT-APS.xx, CT-MXS.xx, CT-SDC.xx, CT-SAC.xx, CT-TGC.xx, CT-EBC, CT-AHC.xx, CT-VWC.xx, CT-ERC.xx, CT-MFC.xx, CT-YDE, CT-ARE , CT-SDS.xxx, CT-AHS.xxx, CT-ERS.xxx, CT-AHE, CT-MFE,
- Liquid Level Monitors and Controls CM-ENS.xxx , CM-ENE.xxx
- Single Phase Monitors CM-SRS.xxx , CM-SFS.xxx ,CM- ESS.xx , CM-EFS.xxx

7(c)-II - Lead in dielectric ceramic in capacitors for a rated voltage of 125 V AC or 250 V DC or higher

Some components mounted in :

- Grid Feeding Monitors CM-UFD.x, CM-MSS.x, CM-TCS.x, CM-ENS.x

7(c)-V - Electrical and electronic components containing lead in a glass or ceramic other than dielectric

Some components mounted in :

- Motor Load Monitors CM-LWN
- Thermistor Motor Protection Relays CM-MSS.x, CM-MSE
- Temperature Monitors CM-TCS.xxxx , CM-TCN.xxxx
- Single Phase Monitors CM-SRS.xxx , CM-SFS.xxx ,CM- ESS.xx
- Time Relays CT-VWD.xx , CT-AHD.xx, CT-TGD.xx , CT-ERD.xx, CT-MFD.xx, CT-MVS.xxx, CT-ARS.xxx, CT-WDS.xx, CT-APS.xx, CT-SDC.xx, CT-TGC.xx, CT-AHC.xx, CT-VWC.xx, CT-ERC.xx, CT-MFC.xx, CT-SAD.x, CT-EBC.x, CT-EBD.x, CT-EKE.x, CT-MKE.x, CT-SDE.x
- Grid Feeding Monitors CM-UFD.x

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