

矿用防爆电抗器(MEPR) Mining Explosion Proof Reactor

■ 产品概述(Product Introduction)

矿用防爆变频器为封闭金属外壳，变频器及其外围器件都安装在封闭的空间内。由于结构的特殊性，变频器的主要发热器件即功率模块IGBT采用真空热管或者水冷散热方式，但是电抗器等器件也是系统内较大的发热源，像一个电炉在持续发热。如何减小电抗器的发热量，关系到变频器的运行可靠性及机器寿命。我们通过磁芯和导体发热的合理选择、处理以及反复验算，保证了电抗器在密闭条件下的高性能运行。

The mining explosion proof converter has a closed metal shell, and the converter and its peripheral devices are installed in a closed space. Due to the particular structure, the main heating device of the converter, i.e., the power module IGBT, uses a vacuum heat pipe cooling or water cooling to dissipate heat. However, the reactors and the other devices are also heat sources, like electric furnaces, continuing to heat up. How to reduce the heat generated by the reactor is related to the operational reliability of the converter and the life of the machine. We ensure the high-performance operation of the reactor under a closed condition through reasonable selection, processing and repeated verification of the magnetic core and conductor.

额定电流范围 Rated Current Range: 10 ~ 2500A

额定电压范围 Rated Voltage Range: 220 ~ 3300V



■ 成品识别码(Product Identification Code)

MEPR	0080	0M54	0.4SC
矿用防爆电抗器 Mining Explosion Proof Reactor	额定电流 Rated Current	电感量 Inductance Value M: mH H: μ H	0.4: Rated Voltage 0.2=220V,0.4=380V,0.7=690V,1.1 = 1140V D: Single Phase S: Three Phase C: Copper A: Aluminum