MFR13 P/N LR20025 replacement MFR300 P/N 8444-1093 for wind mill application

Clemens - 2022-08-24 - MFR300

P/N LR20025 was a customized multifunctional relay called MFR1375M/PMRSU03UV

mainly used on 1.5MW wind mills. This MFR13 was connected via CAN bus to upper PLC.

There was a special customized CAN protocol with option Su03.

P/N 8444-1093 MFR300-75M/SU03 has same, compatible CAN protocol. So MFR13 can be replaced by this MFR300 without making changes in upper

PLC. Same configuration cable 5417-557 DPC-1 or 5417-1251 DPC-USB can be used

Mains differences :

MFR13	MFR300
Dimensions: 96 x 72 x 130 mm	146x128x50 mm
690 VAC voltage sensing	690 VAC voltage sensing
../5A current sensing	../5A current sensing
Accuracy Class 1	Class 0.5
MFR13M was with 8923-1023 Din rail brackets back panel mounted	back panel mounted
LeoPC configuration software	Toolkit software
2 line numeric dislpay	no display
1 x Discrete Input	no Discrete Input
8 x Discrete Output	5 x Discrete Output
only U,f , P monitoring	additional LVRT monitoring
CAN bus	Can bus

All MFR300 documentation can be downloaded here:

https://wss.woodward.com/manuals/PGC/MFR-x00_series/MFR-300