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

Clemens - 2022-08-23 - [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



Dimensions: 96 x 72 x 130 mm

690 VAC voltage sensing

../5A current sensing

Accuracy Class 1

MFR13M was with 8923-1023 Din rail brackets back panel mounted

LeoPC configuration software

2 line numeric display

1 x Discrete Input

8 x Discrete Output

only U, f, P monitoring

CAN bus

MFR300

146x128x50 mm

690 VAC voltage sensing

../5A current sensing

Class 0.5

back panel mounted

Toolkit software

no display

no Discrete Input

5 x Discrete Output

additional LVRT monitoring

Can bus

All MFR300 documentation can be downloaded here:

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