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Suzlon MFR13 P/N 8441-1120 MFR1371M/DQ3RSU08UV replacement MFR300-71M/SU08 P/N 8444-1115 for windmill applications

Clemens - 2024-07-18 - MFR300

SUZLON - P/N: 51025002 is Woodward's P/N 8441-1120 was a customized multifunctional relay called MFR1371M/DQRSU08UV mainly used on 2MW+ wind mills. This MFR13 is connected via CAN bus to the upper level PLC.

This device has a special customized CAN protocol with option Su08.

P/N 8444-1115 MFR300-71M/SU08 comes with a compatible CAN protocol.

So MFR13 can get replaced by this MFR300, thus you can make sure to maintain the upper PLC.

You can use the same configuration cable P/N 5417-557 DPC-1 or the latest P/N 5417-1251 DPC-USB can be used.

Main differences :

MFR13



Dimensions: 96 x 72 x 130 mm

690 VAC voltage sensing

../1A current sensing

Accuracy Class 1

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

LeoPC configuration software

2 line numeric display

MFR300



146x128x50 mm

690 VAC voltage sensing

../1A current sensing

Class 0.5

back panel mounted

Toolkit software

no display

1 x Discrete Input

no Discrete Input

8 x Discrete Output

5 x Discrete Output

only U, f, Df/Dt, monitoring

additional LVRT monitoring

CAN bus Su08

Can bus Su08

All MFR300 documentation can be downloaded here:

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

Toolkit Software:

https://wss.woodward.com/manuals/PGC/SW_Tools/ToolKit

Required configuration files:

https://wss.woodward.com/manuals/PGC/MFR-x00_series/MFR-300/02_Config_Files_