



Application notes



Application Note : September 2020

Market involved : Mining

Product : DPC01DM1K

Customer : -

Subject : Monitoring of the mains in mining machinery

CUSTOMER ISSUE :

Mobile mining machines use long cables to be supplied.

In order to reduce the current and the size of the cables, 1000 VAC are used.

The quality of the mains that reaches the equipment may be heavily reduced by cables failures and cable length, and this may compromise the entire machine.

OUR SOLUTION :

The DPC01DM1K is a 3-phase voltage relay for up to 1000 VAC able to monitor the mains in mining machinery.

Sequence and loss, voltage asymmetry, over and undervoltage are easily monitored.

BENEFITS :

- In the case of low quality of the mains, the DPC01DM1K disconnects the equipment from the supply network, preventing equipment failures.