

Safeone DN3PR1

Like our drive and standstill monitoring modules, the innovative rotation direction monitoring module DN3PR1 does not require a measuring system either and is unique on the market in this way.

The DN3PR1 is thus a perfect choice for retrofits as well as for designing state-of-the-art machines up to Performance Level e.

The simple installation and the user-friendly parameterization make safety child's play.



YOUR ADVANTAGES AT A GLANCE.

SIMPLE SAVING

For you, no measuring system means:
fewer components, lower costs as well as faster
documentation and validation.

BE INDEPENDENT

Vendor and system independent - usable with all
three- and single-phase motors up to Performance
Level e.

FITS IN EACH AND EVERY CONTROL CABINET

With a construction width of only 22.5 mm.

NO CONFIGURATION

For safe monitoring of 1- to 3-phase motors up to 690V AC
with performance level e, it is not even necessary to
parameterize the device.

PLUG & PLAY

Easy to install without prior knowledge.
Also the integration into the circuit diagram is pretty simple.



Rotation direction monitoring.

The module measures the frequency of the 3 motor phases as long as the drive is running. The output provides a signal when the drive moves in the preset desired direction. However, the contact output opens immediately should the drive move in a different, wrong direction, which interrupts the circuit and stops the drive.



Application areas.

Compatibility

Three-phase-motors with frequency converter

Servomotors

Motors with star-delta connection

Single-phase AC motors

Industries

Wood processing

Metal processing

Construction machinery

Spindles

Centrifuges

and many more...



Technical data at a glance.

DN3PR1

Construction width

22,5 mm

Switching power

up to 6A

In- / Outputs

2 Relay outputs
+ 2 diagnostic
outputs

Motion Monitoring

sensorless

Certifications

PLe (EN ISO 13849-1)
SIL3 (IEC 61508)
SIL CL3 (IEC 62061)
UL-certified

Safety Features

(SDR) Safe Direction

Parameterization

not necessary

Hardware Diagnosis / LED



DINA

You've got questions? You're interested?
Get in touch with us!

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