

LOW VOLTAGE SWITCHGEAR

Frequency-converter update from ACS 800 series to ACS 880 series

Did you know that the MNS switchgear's ACS 800 series frequency-converter can be replaced with the heat tested ACS 880 series?



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01 From ACS800 series to ACS880 series

02 ACS880 R7 replaced with ASC800 R7 series

ACS 880 has the following updates:

- New, easy to use control panel
- Updated DTC motor control
- SIL3 level STO safety as a default
- Larger power connectors
- Two parallel DeviceNet interfaces
- Removable memory unit
- PC connection with a USB cable
- Smaller size

Commissioning

- Fast and simple commissioning
- Short shutdown time

Reliability

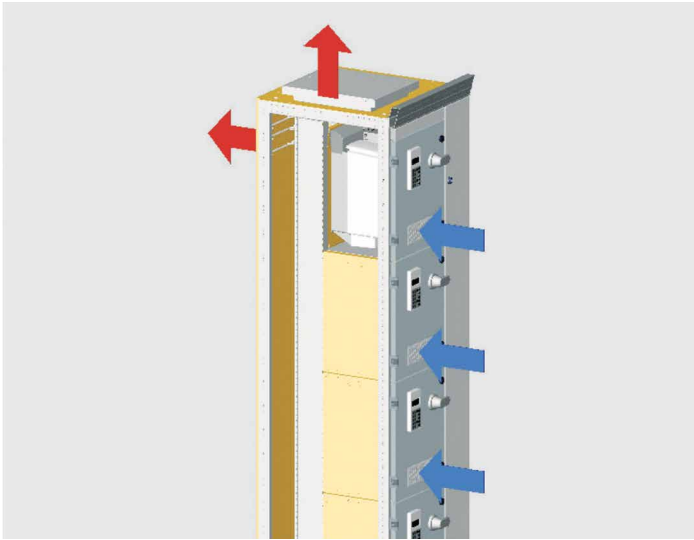
- Longer switchgear service life
- Smaller maintenance requirements
- Better availability of spare parts

- MNS switchgear's ACS 800 frequency-converters can be replaced with an ACS 880 frequency-converter. Replacements are available for the following frames and powers:

Frequency-converter	Frame	Power [Kw]	Voltage [V]
ACS800	R2 - R8	1.5 kW - 560 kW	400 V / 690 V
ACS880	R1 - R11	0.75 kW - 630 kW	400 V / 690 V



02



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- 03 Ventilation in the frequency-converter field.
- 04 Standard compliant heat test
- 05 Frequency-converter lifting device with a CE marking
- 06 ACS880 R9 replaced with ASC800 R7 series



04

Efficient cooling, less use time

The solution has specifically considered the cooling requirements of frequency-converters. MNS frequency-converter switchgear is breathable: cooling air is taken from the electrical room, pulled through the equipment with the frequency-converter's own fan, and is then returned to the electrical room, as shown in the picture.

Tested safety

All ACS 880 solutions have been tested in ABB's laboratories according to the IEC61439-1 IEC61439-2 standards. Heat tests were performed with a full motor load, without adjustment coefficients. The tested and efficient air circulation ensures long-term use of the equipment.

Frequency-converter lifting device

For R6-R11 frame frequency-converters installed in MNS switchgear.



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Additional information

Product information is available from your local ABB representative, by e-mail from lv.productaftersales@fi.abb.com or from our website at www.abb.fi.

