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Client

PROTECT A/S
Hasselager Centervej 5
8260 Viby J
Danmark

Product: 1500i C™ + 800i C™

Standard: EN 50131-8:2019

Standard reference: EN30131-1:2006, EN 50130-4:2011/A1:2014, EN 50130-5:2011, IEC 62368-1, EN 50131-1:2006, EN 31000-6-3:2007/A1:2011

Conclusion

The products fulfil the requirements, defined in the standards EN50131-8:2019

This certificate applies only to the tested products in the test set-up described in the technical documentation.

Comments

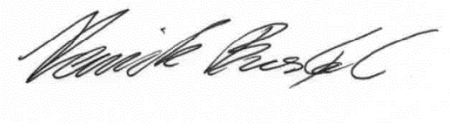
The conclusion is based on test done by Ektos A/S on the tested product, review of test documentations from other test house or documentation from Protect.
See page 2 for more details.

If the product is not tested by EKTOS TRS, EKTOS TRS responsibility is only the validation of the results from other test reports according to EN 50131-8:2019.

Technical documentation

- EKTOS TRS test report P21-0079-1 issued 2021-08-31
- EKTOS TRS test report P21-0079-3 Rev. 1 issued 2021-08-23
- EKTOS TRS test report P21-0079-4 Safety issued 2021-10-29
- KIWIT report: AK 9.11.25 CENELEC Report
- Protect report: CENELEC Test Report EN 50181-8_2019 - PROTECT 800 iC, 1500 iC ver. 1.0

EKTOS Testing & Reliability Services A/S



Henrik Brosbøl
Department manager, EKTOS TRS

Protect Global:		**EN 50131-8:2019**	Version: 21122021
Standard		**Sub standard**	**Documentation:Product**
4.2 Enviromental tests			
	EN 50130-5:2011	8. Dry heat (operational)	Kiwit report: AK 9.11.25 CENELEC Report 1 & 2: 600, 1100, 2200
	EN 50130-5:2011	10. Cold (operational)	Kiwit report: AK 9.11.25 CENELEC Report 1 & 2: 600, 1100, 2200
	EN 50130-5:2011	14. Damp heat, cyclic (operational)	Kiwit report: AK 9.11.25 CENELEC Report 1 & 2: 600, 1100, 2200
	EN 50130-5:2011	17. Sulphur dioxide (SO2) (endurance)	Kiwit report: AK 9.11.25 CENELEC Report 1 & 2: 600, 1100, 2200
	EN 50130-5:2011	20. Impact (operational)	Kiwit report: AK 9.11.25 CENELEC Report 1 & 2: 600, 1100, 2200
	EN 50130-5:2011	22. Vibration, sinusoidal (operational)	Ektos report: P21-0079-1: 1500iC
4.3 Immunity to electromagnetic interfaces			
	EN 50130-4:2011/A1:2014	7. Mains supply voltage variation	Ektos report: P21-0079-1: 1500iC
	EN 50130-4:2011/A1:2014	8. Mains supply voltage dips and short interruptions	Ektos report: P21-0079-1: 1500iC
	EN 50130-4:2011/A1:2014	9. Electrostatic discharge	Ektos report: P21-0079-1: 1500iC
	EN 50130-4:2011/A1:2014	10. Radiated electromagnetic fields	Ektos report: P21-0079-1: 1500iC
	EN 50130-4:2011/A1:2014	11. Conducted disturbance induced by electromagnetic fields	Ektos report: P21-0079-1: 1500iC
	EN 50130-4:2011/A1:2014	12. Fast transient bursts	Ektos report: P21-0079-1: 1500iC
	EN 50130-4:2011/A1:2014	13. Slow high energy voltage surge	Ektos report: P21-0079-1: 1500iC
4.4 IP/IK rating			
		IP rating (IP20 or Better)	Kiwit report AK 9.11.25 CENELEC Report 1 & 2: 600, 1100, 2200
		IK rating (IK08 or better)	Kiwit report AK 9.11.25 CENELEC Report 1 & 2: 600, 1100, 2200
5 Access level			
	EN 50131-1:2006	Clause 8.3.1	Protect report: CENELEC Test Report EN 50181-8_2019 - PROTECT 800 iC, 1500 iC
6.2 Product Safety			
	IEC 62368-1:2014		Ektos report: P21-0079-4: 1500iC
6.3 EMC			
	EN 61000-6-3:2007/A1:2011		Ektos P21-0079-1
	EN 50130-4:2011/A1:2014	Clause 4.3	Ektos P21-0079-1
6.4 Non-toxicity			Protect report: CENELEC Test Report EN 50181-8_2019 - PROTECT 800 iC, 1500 iC
6.5 Pressure vessels requirement			NA
6.6 Label and warning			Protect report: CENELEC Test Report EN 50181-8_2019 - PROTECT 800 iC, 1500 iC
6.7 Energy efficiency			Ektos P21-0079-3: 1500iC, 800iC
6.8 Warning signs			Protect report: CENELEC Test Report EN 50181-8_2019 - PROTECT 800 iC, 1500 iC
7.1 Performance			Protect report: CENELEC Test Report EN 50181-8_2019 - PROTECT 800 iC, 1500 iC
7.2 Operation during mains failure			Protect report: CENELEC Test Report EN 50181-8_2019 - PROTECT 800 iC, 1500 iC
7.3 Operation with mains only			Protect report: CENELEC Test Report EN 50181-8_2019 - PROTECT 800 iC, 1500 iC
7.4 Additional requirement for equipment using radio frequency interconnections			Protect report: CENELEC Test Report EN 50181-8_2019 - PROTECT 800 iC, 1500 iC
7.5 Tamper			Protect report: CENELEC Test Report EN 50181-8_2019 - PROTECT 800 iC, 1500 iC
7.6 SFD damage/neutralisation			Protect report: CENELEC Test Report EN 50181-8_2019 - PROTECT 800 iC, 1500 iC
7.7 Ejection nozzle			Protect report: CENELEC Test Report EN 50181-8_2019 - PROTECT 800 iC, 1500 iC
7.8 Fog eject limiter			Protect report: CENELEC Test Report EN 50181-8_2019 - PROTECT 800 iC, 1500 iC
7.9 Stopping fog generation			Protect report: CENELEC Test Report EN 50181-8_2019 - PROTECT 800 iC, 1500 iC
7.10 Heater block - temperature			Protect report: CENELEC Test Report EN 50181-8_2019 - PROTECT 800 iC, 1500 iC
7.11 Heater block - overheating			Protect report: CENELEC Test Report EN 50181-8_2019 - PROTECT 800 iC, 1500 iC
7.12 Isolation of the SFD			Protect report: CENELEC Test Report EN 50181-8_2019 - PROTECT 800 iC, 1500 iC
7.13 Fixings			Protect report: CENELEC Test Report EN 50181-8_2019 - PROTECT 800 iC, 1500 iC
7.14 Visual Indications			Protect report: CENELEC Test Report EN 50181-8_2019 - PROTECT 800 iC, 1500 iC
7.15 Communication between the SFD and the I&HAS			Protect report: CENELEC Test Report EN 50181-8_2019 - PROTECT 800 iC, 1500 iC
7.16 Fault monitoring			Protect report: CENELEC Test Report EN 50181-8_2019 - PROTECT 800 iC, 1500 iC
7.17 Power failure			Protect report: CENELEC Test Report EN 50181-8_2019 - PROTECT 800 iC, 1500 iC
8.1 General			Protect report: CENELEC Test Report EN 50181-8_2019 - PROTECT 800 iC, 1500 iC
8.2 Formulation			Protect report: CENELEC Test Report EN 50181-8_2019 - PROTECT 800 iC, 1500 iC
8.3 Traceability			Protect report: CENELEC Test Report EN 50181-8_2019 - PROTECT 800 iC, 1500 iC
9 Marking			Protect report: CENELEC Test Report EN 50181-8_2019 - PROTECT 800 iC, 1500 iC
10 Documentation			Protect report: CENELEC Test Report EN 50181-8_2019 - PROTECT 800 iC, 1500 iC
11 Design, installation, operation and maintenance			Protect report: CENELEC Test Report EN 50181-8_2019 - PROTECT 800 iC, 1500 iC