

AIF 503S1

THREE-PHASE FLICKER IMPEDANCE 32A



FOR TESTS ACCORDING TO ...





- › EN 61000-3-11
- › EN 61000-3-3
- › IEC 60725
- › IEC 61000-3-11
- › IEC 61000-3-3

AIF 503S1 is a three-phase flicker impedance offering two different impedance values. Z_{ref} is used as the flicker impedance as per EN/IEC 61000-3-3 and specified by IEC 60725. Z_{test} is used for equipment being intended for connection to a public low-voltage distribution system having a service current supply capability of more than 100A specified in EN/IEC 61000-3-11.

HIGHLIGHTS

- › **THREE-PHASE FLICKER IMPEDANCE**
- › **VALUES AS PER EN/IEC 61000-3-3 & EN/IEC 61000-3-11**
- › **LINE VOLTAGE 3 X 400V**
- › **LINE CURRENT 32A PER PHASE**
- › **NON-SATURABLE AIR COIL INDUCTORS**
- › **STATUS INDICATION BY LED**
- › **REMOTE-CONTROLLED BY DPA503**

APPLICATION AREAS

-  INDUSTRY
-  MEDICAL
-  BROADCAST
-  RESIDENTIAL

TECHNICAL DETAILS

TECHNICAL DATA

Configuration	3-phase (3L,N,PE)
Line voltage	3x400V ± 10%
Line current	32A per phase
Line frequency	50/60Hz
Flicker impedance	2 (Zref & Ztest)
Bypass for harmonics	Remote controlled switch
Output connector	CEE connector 32A (3P,N,PE) Safety laboratory connectors
Interface	15-pin SubD (DPA 503 control)

IMPEDANCE

Zref at 50Hz	RA = 0.24ohm XA = 0.15ohm RN = 0.16ohm XN = 0.10ohm
Ztest at 50Hz	RA = 0.15ohm XA = 0.15ohm RN = 0.10ohm XN = 0.10ohm
Accuracy	Better than 3%
	Each inductor is designed as a non-saturable air coil and is matched manually to the specified value.

AMBIENT CONDITIONS

Temperature	0°C to 35°C
Rel. humidity	80%, non condensing
Cooling	6 fans, active cooling control

DIMENSIONS

Housing	19", 25HU, movable rack on castors
Weight	100kg
Size	1245mm x 553mm x 780mm

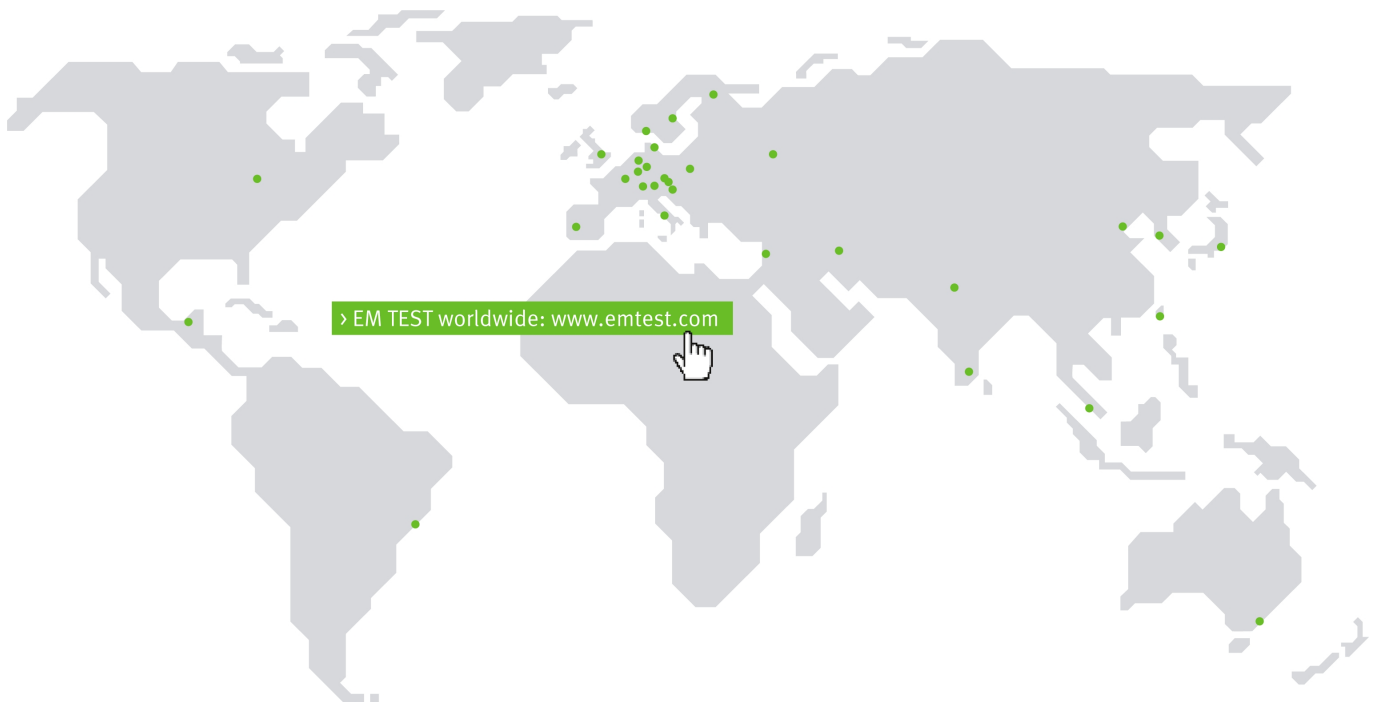
POWER MAINS SUPPLY

Supply voltage	230V or 115V L/N/PE
Power	200W
Line frequency	50/60Hz
Fuse	10A

INDICATORS AND CONNECTORS

	LED's indicating the active system configuration (Bypass for harmonics or impedance in use; Zref or Ztest).
	Combined 80A high-current safety laboratory connectors with capability to connect 4mm safety laboratory connectors up to 32A.

COMPETENCE WHEREEVER YOU ARE



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Information about scope of delivery, visual design and technical data correspond with the state of development at time of release.
 Technical data subject to change without further notice.