ICRM-7

Inrush Module

PUBLISHED IDENTITY

BASLER ELECTRIC ICRM-7 is an inrush-current reduction module, part number 9387900103, for compatible DECS-100 and DECS-150 excitation systems. It is rated for 9 Aac and accepts 90–277 Vac or 90–300 Vdc operating power.

Technical snapshot

Basler part number	9387900103
Product function	Inrush-current reduction module
Compatible regulators	DECS-100 and DECS-150
AC input range	90–277 Vac
DC input range	90–300 Vdc
Frequency range	DC or 50–420 Hz
Current rating	9 Aac
Power dissipation	25 W

Verified related ApterPower product pages

BASLER DECS-250

Engineering data

Official evidence organized for exact-model review

Basler part number	9387900103
Product function	Inrush-current reduction module
Compatible regulators	DECS-100 and DECS-150
AC input range	90–277 Vac
DC input range	90–300 Vdc
Frequency range	DC or 50–420 Hz
Current rating	9 Aac

Power dissipation	25 W
Operating temperature	-25 to 70 °C
Storage temperature	-40 to 70 °C
Mounting	Vertical; ventilation holes at top and bottom
Cooldown	Wait at least 5 minutes after operating power is removed
Troubleshooting resistance	Approximately 2 ohms across each IN/OUT pair

EVIDENCE BOUNDARY

Confirm part number 9387900103, source voltage, DECS model, wiring and vertical mounting orientation before installation.

Applications and system role

Four distinct documented operating contexts

DECS-100 EXCITATION

Inrush-current reduction ahead of a compatible DECS-100 operating-power input.

DECS-150 EXCITATION

Controlled startup of a compatible DECS-150 supplied from a low-impedance or switched source.

GENERATOR RETROFITS

Documented upgrades where the approved excitation design specifies an ICRM-7 between source and regulator.

MAINTENANCE REPLACEMENT

Like-for-like replacement after resistance checks identify a failed non-serviceable ICRM module.

Integration control

The ICRM-7 is inserted between the operating-power source and the compatible DECS voltage regulator to reduce startup inrush. Its three IN/OUT paths are connected to the regulator output terminals identified in the Basler manual, and the enclosure must remain vertically mounted for airflow. The module contains no user-serviceable parts and is replaced if troubleshooting confirms failure.

Verified related ApterPower product pages

Technical questions

Complete model-specific answers from the approved evidence set

What does the BASLER ELECTRIC ICRM-7 do?

The BASLER ELECTRIC ICRM-7 reduces the startup inrush current presented to a compatible DECS voltage regulator.

Which excitation controllers are compatible with ICRM-7?

The ICRM-7 is compatible with the DECS-100 and DECS-150 digital excitation control systems.

What input ranges can part 9387900103 accept?

Part 9387900103 accepts 90–277 Vac or 90–300 Vdc at DC or 50–420 Hz.

How much current can the ICRM-7 carry?

The ICRM-7 has a published current rating of 9 Aac.

Why must ICRM-7 be mounted vertically?

The ICRM-7 must be mounted vertically so air can pass through the ventilation openings at the top and bottom of its enclosure.

How long should technicians wait after removing ICRM-7 operating power?

Technicians must wait at least five minutes after operating power is removed before handling or testing the ICRM-7.

What resistance indicates a normal ICRM-7 current path?

A normal ICRM-7 current path measures approximately 2 ohms across each corresponding IN and OUT terminal pair.

Can the ICRM-7 be repaired in the field?

The ICRM-7 contains no user-serviceable parts, so a module that fails the approved checks must be replaced.

Product precautions

Eight aligned controls before return to service

1. Record the ICRM-7 marking and Basler part number 9387900103 before work.
2. De-energize every connected source and wait at least five minutes before handling.
3. Verify that the operating-power source is within the published AC or DC range.
4. Map every IN and OUT conductor to the approved DECS wiring diagram before removal.
5. Mount the ICRM-7 vertically with its upper and lower ventilation openings clear.
6. Treat the enclosure as hot during operation and provide the required clearance.
7. Check each IN/OUT path and replace the module if fault testing confirms failure.
8. Energize under control and record stable regulator startup and acceptance results.

Verified related ApterPower product pages

Evidence and support

Manufacturer references, related products and direct contact

Manufacturer evidence used

- Basler ICRM-7 and ICRM-15 Instruction Manual, publication 9387900990, revision J.

Verified related ApterPower product pages

Talk to Apter Power

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