Semikron Danfoss SKKH570/18E

Thyristor Diode Module / Product dashboard

This consolidated record joins Semikron Danfoss SKKH570/18E identity, technical limits, applications, precautions and release evidence on one review surface.

IDENTITY

Semikron Danfoss SKKH570/18E

PRODUCT ROLE

Thyristor Diode Module

PLATFORM

SEMIPACK 5

CONTROL BASIS

Exact evidence plus installed-system record

Exact designation	SKKH 570/18 E
Catalog number	230B1785
Legacy part number	07898730
Product status	In production
Current rating	570 A
Voltage class	1800 V

The dashboard places SKKH570/18E identity, operating role and maintenance boundaries in one review surface for the SEMIPACK 5 installation.

Dashboard boundary

This overview supports identification and maintenance planning; it does not declare compatibility with a neighboring model or approve a redesign.

Semikron Danfoss SKKH570/18E

Thyristor Diode Module / Technical matrix

Exact designation	SKKH 570/18 E
Catalog number	230B1785
Legacy part number	07898730
Product status	In production
Current rating	570 A
Voltage class	1800 V
Topology	Rectifier
Technology	Thyristor / diode
Housing	SEMIPACK 5
Surge current	15500 A
Baseplate	AlN ceramic isolated metal baseplate
Recognition	UL recognized, file E 63 532

DATA USE

Values support exact-model identification and configuration review.

LIMIT CONTROL

Electrical, software and loading limits remain subject to the installed design.

RECORD SOURCE

Semikron Danfoss Datasheet SKKH 570/18 E

REVISION NOTE

Exact product 230B1785 / datasheet AI498336903166

Semikron Danfoss SKKH570/18E

Thyristor Diode Module / Application architecture

Motor-drive rectifiers

Controls high-current DC conversion in documented drive front ends.

Process-control power stages

Provides a controlled rectifier leg for engineered industrial power circuits.

Power-supply rectifiers

Supports high-current conversion where the 1800 V class is required.

Like-for-like module service

Restores the exact SEMIPACK 5 electrical and mechanical identity.

Input to decision	Exact label plus manufacturer evidence
Installed context	Rack, terminal, network, project and connected process
Change control	Approved scope and retained configuration baseline
Proof	Diagnostic state plus witnessed functional result

Within the SEMIPACK 5 context, SKKH570/18E must be reviewed together with its assigned project data, field interfaces and the maintenance acceptance record.

Semikron Danfoss SKKH570/18E

Thyristor Diode Module / Risk and decision register

PRIMARY RISK

A mismatch between the SKKH570/18E label and the installed thyristor diode module record.

CONFIGURATION RISK

Loss of the SKKH570/18E project, mapping, wiring or interface baseline.

SELECTION RISK

Treating another SEMIPACK 5 item as automatically equivalent to SKKH570/18E.

RELEASE RISK

Returning SKKH570/18E to control before diagnostics and functional response are witnessed.

Decision register

What semiconductor topology is used by Semikron Danfoss SKKH570/18E?

It combines a thyristor and a diode in a rectifier module.

Which voltage class applies to Semikron Danfoss SKKH570/18E?

The module is the 1800 V execution.

Which catalog number confirms Semikron Danfoss SKKH570/18E?

The current catalog number is 230B1785; the listed legacy part number is 07898730.

Why is heat-sink preparation critical for Semikron Danfoss SKKH570/18E?

The isolated baseplate must transfer loss heat through a clean, flat and correctly clamped mounting interface.

Which current rating is published for Semikron Danfoss SKKH570/18E?

The exact product record lists 570 A.

Which housing contains Semikron Danfoss SKKH570/18E?

It uses the SEMIPACK 5 housing.

What surge-current value is stated for Semikron Danfoss SKKH570/18E?

The manufacturer product record lists 15500 A.

What completes commissioning of Semikron Danfoss SKKH570/18E?

Confirm insulation, gate firing, rectifier output, current balance and stable thermal behavior under controlled load.

Decision closeout

Approve the SKKH570/18E decision register only when identity, configuration, diagnostics and observed process behavior tell one consistent story.

Semikron Danfoss SKKH570/18E

Thyristor Diode Module / Canonical record and support

Canonical identity	Semikron Danfoss SKKH570/18E
Product name	Thyristor Diode Module
Family	SEMIPACK 5
Selection boundary	Exact identity; no neighboring-model inference
Release boundary	Installed record plus witnessed functional proof

VERIFIED APTER POWER CATALOG REFERENCES

Navigation only; compatibility, substitution and manufacturer endorsement are not implied.

ABB DCF506-0520	View ABB DCF506-0520 page
Siemens 6SN1145-1BB00-0FA1	View Siemens 6SN1145-1BB00-0FA1 page

MANUFACTURER EVIDENCE RECORD

Semikron Danfoss Datasheet SKKH 570/18 E

Exact product 230B1785 / datasheet AI498336903166

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Send the exact model, quantity, destination and requested condition for a quotation.