Semikron Danfoss SKKH570/18E

Thyristor Diode Module / Exact identity and technical profile

This reference separates the exact published characteristics of Semikron Danfoss SKKH570/18E from neighboring family variants and undocumented suffixes.

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

TECHNICAL MARKER

570 A rated current

TECHNICAL MARKER

1800 V voltage class

TECHNICAL MARKER

Thyristor / diode topology

TECHNICAL MARKER

AlN isolated baseplate

Technical boundary

The exact model and its published data govern this reference. Similar family names, suffixes or physical appearance do not establish the same electrical or software behavior.

Identity evidence	Read SKKH570/18E from the installed label and procurement record
Function evidence	Confirm the published thyristor diode module role in the SEMIPACK 5 system
Configuration evidence	Retain the project, mapping, range, address or interface assigned to this position
Release evidence	Link final diagnostics to a witnessed field or operator response

TECHNICAL DECISION

Accept SKKH570/18E only when its identifier and installed-system role agree.

CHANGE BOUNDARY

Any redesign beyond the documented SKKH570/18E position requires separate engineering approval.

Semikron Danfoss SKKH570/18E

Thyristor Diode Module / Published characteristics

This matrix groups the published SKKH570/18E characteristics that control identification, configuration and engineering review. Each entry remains tied to the exact thyristor diode module 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
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

INTERPRETATION

Use every SKKH570/18E value with the exact installed configuration.

DESIGN RECORD

Retain the drawing, project and channel or interface assignments that make SKKH570/18E data actionable.

Nameplate check	Manufacturer and full reference agree with the controlled record
Range check	Published operating or signal data agree with the configured use
Interface check	Backplane, terminal, cable, network or memory arrangement is documented
Limit check	Loading, channel count, supply or lifecycle constraint is reviewed
Evidence close	Source title and applicable product record are retained with the decision

NO BORROWED VALUES

Another Semikron Danfoss suffix cannot fill a missing SKKH570/18E parameter.

ENGINEERING OUTPUT

Record the exact value used, its purpose and any unresolved item before selection.

Semikron Danfoss SKKH570/18E

Thyristor Diode Module / System role and data flow

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.

Signal and configuration path

Field layer	Sensors, loads, terminal or operator interface assigned by the design
Module layer	SKKH570/18E performs its published thyristor diode module role
Control layer	PLC project, address map or runtime application interprets the exchanged data
Acceptance layer	Diagnostics and intended process response are witnessed together

Engineering boundary

Application examples describe system roles only. They do not establish automatic interchangeability, replacement approval or suffix equivalence.

Observed input	Field, network or operator condition presented to SKKH570/18E
Published action	The documented thyristor diode module function processes that condition
Configured interpretation	PLC logic, HMI project or station mapping assigns system meaning
Expected output	A defined state, value, message or command is produced
Acceptance proof	The complete path is witnessed under controlled conditions

APPLICATION RECORD

Tie each SKKH570/18E use case to the installed drawing or project tag.

EXCEPTION CONTROL

Document and resolve any behavior that differs from the approved response.

Semikron Danfoss SKKH570/18E

Thyristor Diode Module / Engineering decisions

SUPPORTED IDENTITY

SKKH570/18E

PUBLISHED FUNCTION

Thyristor Diode Module

SYSTEM CONTEXT

SEMIPACK 5

UNSUPPORTED INFERENCE

A nearby model, suffix or family resemblance

Model-specific questions

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

Close the SKKH570/18E technical review with the exact identifier, applicable published limits and the installed configuration assumptions explicitly recorded.

Question coverage	Identity, function, configuration and field handling addressed
Open item	Any unanswered exact-model point is listed without guessed data
Decision owner	Responsible engineering or maintenance role identified
Supporting record	Drawing, project revision, readings and witnessed result attached

APPROVAL

The SKKH570/18E decision is accepted only within the documented scope.

REVIEW TRIGGER

A different suffix, wiring arrangement, project or application requires a new review.

Semikron Danfoss SKKH570/18E

Thyristor Diode Module / Evidence and support

Exact product	Semikron Danfoss SKKH570/18E
Technical class	Thyristor Diode Module
Platform	SEMIPACK 5
Evidence use	Exact-model characteristics and engineering boundary
Record with	Installed drawing, project and acceptance evidence

Retained evidence	Nameplate, source title, configuration baseline and field record
Installation evidence	Isolation, conductor/connector record and post-work inspection
Commissioning evidence	Diagnostics, measurements and intended response
Final record	Responsible witness, date, exceptions and approved disposition

VERIFIED APTER POWER CATALOG REFERENCES

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

Siemens 6SL3350-6TK00-0BA0	View Siemens 6SL3350-6TK00-0BA0 page
ABB 5SHX0845F0001	View ABB 5SHX0845F0001 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.