

6SE7041-8EK85-1HA0

Siemens PER2 Rectifier Interface Module

6SE7041-8EK85-1HA0 is a Siemens PER2 rectifier interface module for infeed/regenerative-feedback supply units in designs H and K. The official assignment is 380-480 V, 3 AC, 50/60 Hz. It is a component of the supply unit, rather than a complete motor converter. [1]

Manufacturer specifications

Component type	Rectifier interface module
Interface designation	PER2
Host function	Infeed / regenerative feedback supply unit
Assigned designs	H and K
Host supply voltage	380-480 V, 3 AC
Host supply frequency	50/60 Hz
Lifecycle	Discontinued (current article)
Net weight	1.32 kg [1]
Packaging dimensions	54.5 x 37.5 x 6 cm (L x W x H) [1]

Function, signals and companion components

Its documented role is the rectifier interface inside the assigned supply unit. At system level, the rectifying bridge feeds the DC link during motoring; the regenerative bridge transfers energy from that link back toward the supply during generating operation. Individual interface signals, connector pinouts and signal levels are not specified in the exact article entry. [1, 2]

The system combines the assigned H/K supply unit, its control electronics and power section with the DC link and downstream inverters. The Siemens system manual identifies CUR control electronics and an optional OCP in this architecture. An OCP is a separate system component. [2]

Industrial application

For industrial drive systems using the documented infeed/regenerative-feedback architecture, including duty with power flow to the motors and regenerated energy returning through the supply unit. Match the exact host equipment and voltage class before selecting the interface module. [1, 2]

Technical notes

PER2 and the exact voltage assignment are essential identifiers. Do not assume interchangeability with other PER versions. The voltage range describes the host supply-unit assignment, not a low-voltage signal rating for the PCB. The current manufacturer listing marks this article discontinued; a generic migration note does not identify a drop-in replacement.

Manufacturer sources

- [1] Siemens SiePortal - exact article (accessed 10 September 2026)
- [2] Siemens SIMOVERT Master Drives OCP Operating Instructions, section 1.1-1.2 (system context)

Original Apter Power summary and layout. This is not a Siemens-issued datasheet and does not replace the applicable equipment manual. No unverified performance data or delivery promises are added.