

ABB DRIVES

Product Data Sheet

3BHL000392R0101 5SHX1060H0001/3BHB003230R0101 5SXE05-0152

industrial IGCT power module

FUNCTION industrial IGCT power module	FAMILY ABB Drives	ORIGIN Switzerland	WEIGHT 1.25 kg
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ABB Drives 3BHL000392R0101 5SHX1060H0001/3BHB003230R0101 5SXE05-0152 is a industrial IGCT power module for the ABB Drives. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Junction Temp	-40°C to +125°C
Isolation	6 kV AC (gate-to-main circuit).
Turn-off Time	≤ 8 μs
Supply Voltage	+15V
Capacitance	5 μF (±10%)
Gate Current	60 A
Thermal Resistance	0.008 K/W
Voltage	2,000 V DC
Exact Article Code	3BHL000392R0101 5SHX1060H0001/3BHB003230R0101 5SXE05-0152
Device Designation	5SHX1060H0001/3BHB003230R0101 5SXE05-0152

Product Family	ABB Drives
Semiconductor Type	IGCT
Switching Position	Drive power converter stage
Gate Interface	Matched ABB gate unit
Cooling Interface	Converter heat-sink mounting

- Regulate sludge-pump control with Industrial Igct: For the coordinated operation of the positive-displacement pumps and flow feedback, 3BHL000392R0101 5SHX1060H0001/3BHB003230R0101 5SXE05-0152 serves its documented function as a industrial IGCT power module. During solids-loading change, the system uses this function to hold the commanded feed rate as process load changes, helping it keep sludge transfer stable.
- Coordinate compressor auxiliary drives with Industrial Igct: Across the lube-oil pumps, seal systems and ventilation motors, 3BHL000392R0101 5SHX1060H0001/3BHB003230R0101 5SXE05-0152 operates in its approved product-family role as a industrial IGCT power module. During compressor start, the system uses this function to sequence auxiliary motor operation around train readiness, helping it establish the support systems before process loading.
- Synchronize machine-tool automation with Industrial Igct: For the coordinated operation of the spindles, axes and tool changers, 3BHL000392R0101 5SHX1060H0001/3BHB003230R0101 5SXE05-0152 performs its assigned control role as a industrial IGCT power module. During cycle start, the system uses this function to coordinate the equipment states required by the active cycle, helping it complete the machining step with traceable status.

Match 3BHL000392R0101 5SHX1060H0001/3BHB003230R0101 5SXE05-0152 to the installed ABB Drives, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[ABB ABB Drives documentation](#)

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