

ABB DRIVES

Product Data Sheet

3BHL000986P3016 5STP1752H0002

industrial IGBT power module

FUNCTION industrial IGBT power module	FAMILY ABB Drives	ORIGIN Switzerland	WEIGHT 2.56 kg
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ABB Drives 3BHL000986P3016 5STP1752H0002 is a industrial IGBT power module for the ABB Drives. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Junction Temperature Range	-40°C to +125°C
Storage Temperature	-40°C to +140°C
Thermal Resistance (Junction-to-Case)	0.02K/W
Nominal On-State Current (ITAV)	2000A*
Maximum Surge Current (ITSM)	20kA (1ms)
Critical di/dt	500A/μs
Maximum Blocking Voltage (VDRM)	1700V
Gate Trigger Voltage (VGT)	1.5-2.5V
Recommended Switching Frequency	≤500Hz
Exact Article Code	3BHL000986P3016 5STP1752H0002

Device Designation	5STP1752H0002
Product Family	ABB Drives
Semiconductor Type	IGCT
Switching Position	Drive power converter stage
Gate Interface	Matched ABB gate unit

- Maintain web transport with Industrial Igct process control: Within the unwinders, dancers and pull rolls, 3BHL000986P3016 5STP1752H0002 performs its assigned control role as a industrial IGCT power module. During format change, the system uses this function to synchronize the driven sections with product position, helping it protect web tension and print registration.
- Verify robotic joining with Industrial Igct process control: Within the robots, fixtures and clamp groups, 3BHL000986P3016 5STP1752H0002 serves its documented function as a industrial IGCT power module. During station restart, the system uses this function to confirm tooling readiness before the cycle starts, helping it prevent an incomplete joining cycle.
- Balance sludge-pump control with Industrial Igct: For the coordinated operation of the positive-displacement pumps and flow feedback, 3BHL000986P3016 5STP1752H0002 supports the configured automation role 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.

Match 3BHL000986P3016 5STP1752H0002 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](#)

<https://new.abb.com/control-systems>

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