

UNITROL EXCITATION SYSTEMS

Product Data Sheet

3BHE030579R0003 UNS0119 A-Z,V3

unitrol 1020-0003 basic

FUNCTION unitrol 1020-0003 basic	FAMILY UNITROL Excitation Systems	ORIGIN Switzerland	WEIGHT 3.75 kg
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UNITROL Excitation Systems 3BHE030579R0003 UNS0119 A-Z,V3 is a unitrol 1020-0003 basic for the UNITROL Excitation Systems. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

AC nominal input voltage	0 to 250VAC
Frequency	25 to 600 Hz
DC nominal input voltage	0 to 300 VDC
Max. peak input voltage	420 VP
AC nominal input voltage 3-phase	9 to 250 VAC
AC nominal input voltage 1-phase	16 to 250 VAC
Full range	0 to 38 A
Accuracy/Resolution	<1%/<100 mA
Number of analog inputs/outputs	3/2
Analog IO range	±10 V

ADDITIONAL PRODUCT DATA

Exact Article Code	3BHE030579R0003 UNS0119 A-Z,V3
Board Designation	UNS0119 A-Z,V3
Product Family	UNITROL Excitation Systems
Component Type	Unitrol 1020-0003 Basic
Assembly Class	ABB PCB assembly

OFFICIAL APPLICATIONS

- Protect raw-water pumping with Unitrol 1020 process control: During operation of the intake pumps and wet wells, 3BHE030579R0003 UNS0119 A-Z,V3 serves its documented function as a unitrol 1020-0003 basic. During peak-flow demand, the system uses this function to coordinate pump duty and level response, helping it maintain hydraulic continuity.
- Balance compressor-train operation with Unitrol 1020: Inside the compressors, seals and antisurge loops, 3BHE030579R0003 UNS0119 A-Z,V3 performs its assigned control role as a unitrol 1020-0003 basic. During throughput change, the system uses this function to coordinate the control and protection signals for the train, helping it keep the rotating train inside its operating envelope.
- Route reactor charging with Unitrol 1020 process control: Within the feed valves, vessels and agitators, 3BHE030579R0003 UNS0119 A-Z,V3 performs its assigned control role as a unitrol 1020-0003 basic. During batch initiation, the system uses this function to sequence the material path against vessel readiness, helping it begin the reaction from a verified state.

SYSTEM COMPATIBILITY

Match 3BHE030579R0003 UNS0119 A-Z,V3 to the installed UNITROL Excitation Systems, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

OFFICIAL SOURCES

[ABB UNITROL Excitation Systems documentation](#)

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

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM