

PCU-03

Purge Controller Module

ABB PCU-03 is a purge controller module, part E-31978, used in the Trallfa TR-5000 control family. Its front-panel controls provide purge-time setting, reset and status indication.

IDENTITY	VERIFIED VALUE
Manufacturer	ABB
Complete model	PCU-03
Product role	Purge Controller Module
System family	Trallfa TR-5000

MANUFACTURER SOURCE RECORDS

- 1. ABB Symphony Plus HR Series Control and I/O Overview
- 2. Artisan Technology Group ABB PCU-03 E-31978 Product Record

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PCU-03

Product Overview

System function

ABB PCU-03 is a purge controller module, part E-31978, used in the Trallfa TR-5000 control family. Its front-panel controls provide purge-time setting, reset and status indication.

Adjustable purge timing

Uses separate 100-second, 10-second and 1-second setting dials.

Four-state indication

Shows Power, Purged, Purging and Fault status.

Local reset

Provides a front-panel reset control for the documented purge-controller role.

TR-5000 integration

Matches the control-module function used in the Trallfa TR-5000 family.

Technical note

Confirm PCU-03 and E-31978 on the installed module. Record the purge-time settings and all interface connections before replacement.

Technical Data and Acceptance

PARAMETER	VERIFIED VALUE	PARAMETER	VERIFIED VALUE
Product identity	PCU-03	Purge-time controls	100 s, 10 s and 1 s setting dials
Part number	E-31978	Status indicators	Power, Purged, Purging and Fault
Product type	Purge controller module	Operator control	Reset button
System family	Trallfa TR-5000		

Related Products

MODEL	APTER POWER PAGE
ABB RDIO-01 64379216D	View ABB RDIO-01 64379216D
ABB RCNA-01	View ABB RCNA-01
ABB PM564-RP-ETH-AC 1SAP121100R0071	View ABB PM564-RP-ETH-AC 1SAP121100R0071
ABB UNS0885A-Z V1 3BHB006943R0001	View ABB UNS0885A-Z V1 3BHB006943R0001
ABB TK850V007	View ABB TK850V007

Engineering boundary

Confirm PCU-03 and E-31978 on the installed module. Record the purge-time settings and all interface connections before replacement.

Applications and Engineering FAQ

APPLICATION	ENGINEERING CONTEXT
Robot paint-system purge control	Controls the documented purge sequence in a compatible Trallfa installation.
Purge-time configuration	Sets the required purge interval through the three front-panel time controls.
Status monitoring	Provides local indication of power, purging, purged and fault states.
Legacy controller maintenance	Supports exact PCU-03 replacement in the documented TR-5000 arrangement.

Model-Specific FAQ - Part 1

QUESTION	ANSWER
What is ABB PCU-03?	ABB PCU-03 is a purge controller module, part E-31978, used in the Trallfa TR-5000 family.
Which system uses ABB PCU-03?	The exact module is associated with the Trallfa TR-5000 control family.

Related Products

MODEL	APTER POWER PAGE
ABB TK850V007	View ABB TK850V007
ABB ICMK14F1 1SBP260050R1001	View ABB ICMK14F1 1SBP260050R1001
ABB HESG324063R100 HESG216882	View ABB HESG324063R100 HESG216882
ABB PM511V08 3BSE011180R1	View ABB PM511V08 3BSE011180R1
ABB SPBRC410 BRC410	View ABB SPBRC410 BRC410

FAQ, Related Products and Sources

QUESTION	ANSWER
Which purge-time controls are on ABB PCU-03?	The module provides 100-second, 10-second and 1-second setting dials.
Which indicators are on ABB PCU-03?	The documented indicators are Power, Purged, Purging and Fault.
Does ABB PCU-03 have a reset control?	Yes. The front panel includes a reset button.
What must be recorded before removing ABB PCU-03?	Record E-31978, every connector, the three dial settings and the current purge-system state.
Can ABB PCU-03 purge interlocks be bypassed during replacement?	No. Maintain the approved safety and purge interlock procedure.
What confirms ABB PCU-03 commissioning?	The set time, status indications, fault response and complete purge sequence must pass the approved test.

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ABB IMDSO14	View ABB IMDSO14
ABB RDIO-01 64379216D	View ABB RDIO-01 64379216D
ABB RCNA-01	View ABB RCNA-01
ABB PM564-RP-ETH-AC 1SAP121100R0071	View ABB PM564-RP-ETH-AC 1SAP121100R0071
ABB UNS0885A-Z V1 3BHB006943R0001	View ABB UNS0885A-Z V1 3BHB006943R0001

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