

SCC-F 23212-0-110310

Gas Feed Unit

ABB SCC-F 23212-0-110310 is a sample-gas feed unit for continuous, dosed sample delivery. ABB documents two independent gas paths, corrosion-resistant metal-free gas lines and operation with the SCC-C sample-gas cooler.

IDENTITY	VERIFIED VALUE
Manufacturer	ABB
Complete model	SCC-F 23212-0-110310
Product role	Gas Feed Unit
System family	SCC Sample Conditioning

MANUFACTURER SOURCE RECORDS

- 1. ABB SCC-F Sample Gas Feed Unit Data Sheet DS_SCC_EN_E
- 2. ABB SCC Sample Conditioning System Technical Record

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Product Overview

System function

ABB SCC-F 23212-0-110310 is a sample-gas feed unit for continuous, dosed sample delivery. ABB documents two independent gas paths, corrosion-resistant metal-free gas lines and operation with the SCC-C sample-gas cooler.

Dual gas paths

Feeds two independent sample-gas streams through separate conditioning paths.

Dosed sample delivery

Uses the documented rotameter and needle-valve arrangement for controlled flow.

Corrosion-resistant path

Keeps the sample path metal-free for the documented gas-conditioning duty.

Cooler integration

Works with the SCC-C cooler when the inlet dew-point condition requires conditioning.

Technical note

Use SCC-F only within the documented sample-gas limits. It is not approved for ignitable gas-air or gas-oxygen mixtures, flammable sample gas or hazardous-area installation.

Technical Data and Acceptance

PARAMETER	VERIFIED VALUE	PARAMETER	VERIFIED VALUE
Product identity	SCC-F 23212-0-110310	Inlet temperature	+10 to +50 C
Product type	Sample-gas feed unit	Dew-point condition	At least 5 C below the lowest ambient temperature
Gas paths	2 independent paths	Warm-up time	Approximately 10 min plus cooler warm-up
Gas-line construction	Corrosion-resistant and metal-free	Dead volume	Approximately 10 cm3
Typical companion	SCC-C sample-gas cooler	Tightness	5 x 10^-6 hPa l/s
Sample-gas pressure	70 to 105 kPa	Rotameter range	10 to 100 l/h
Gas-path flow	100 l/h maximum per path	Status switch without I/O	250 VAC, 2 A per path
Bypass flow	200 l/h maximum	Status switch with I/O	30 V, 1 A

Engineering boundary

Use SCC-F only within the documented sample-gas limits. It is not approved for ignitable gas-air or gas-oxygen mixtures, flammable sample gas or hazardous-area installation.

Applications and Engineering FAQ

APPLICATION	ENGINEERING CONTEXT
Continuous gas analysis	Feeds a controlled sample stream to an approved analyzer system.
Dual-stream conditioning	Maintains two independent sample-gas paths.
SCC-C integration	Operates with the ABB sample-gas cooler where dew-point control is required.
Flow-supervised sampling	Uses the documented flow and status-switch arrangement for monitored delivery.

Model-Specific FAQ - Part 1

QUESTION	ANSWER
What is ABB SCC-F 23212-0-110310?	It is an ABB sample-gas feed unit for continuous, dosed delivery.
How many gas paths does ABB SCC-F 23212-0-110310 provide?	ABB documents two independent sample-gas paths.

Related Products

MODEL	APTER POWER PAGE
ABB 1HSB495663-3	View ABB 1HSB495663-3
ABB P4LR 1KHL015107R0001	View ABB P4LR 1KHL015107R0001
ABB G4AI 1KHL015623R0001	View ABB G4AI 1KHL015623R0001

FAQ, Related Products and Sources

QUESTION	ANSWER
What pressure range applies to ABB SCC-F 23212-0-110310?	The documented sample-gas pressure range is 70 to 105 kPa.
What flow applies to ABB SCC-F 23212-0-110310?	ABB specifies up to 100 l/h per gas path and up to 200 l/h for the bypass.
Which cooler works with ABB SCC-F 23212-0-110310?	ABB documents operation with the SCC-C sample-gas cooler.
What dew-point condition applies to ABB SCC-F 23212-0-110310?	The inlet dew point must be at least 5 C below the lowest ambient temperature unless approved conditioning is used.
Can ABB SCC-F 23212-0-110310 handle flammable sample gas?	No. ABB excludes flammable sample gas, ignitable mixtures and hazardous-area installation.
What confirms ABB SCC-F 23212-0-110310 commissioning?	Both paths must meet pressure, temperature, flow, tightness and status-switch acceptance checks.

MODEL	APTER POWER PAGE
ABB G4AK 1KHL016009R0001	View ABB G4AK 1KHL016009R0001
ABB 1KHL178016R0001F	View ABB 1KHL178 016R0001F
ABB 1KHW001381R0001	View ABB 1KHW00 1381R0001

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