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Data Sheet

August 15, 2026

JOHNSON ELECTRIC / SAIA-BURGESS

Johnson Electric / Saia-Burgess XP42-E2Z11 Switch

The Johnson Electric / Saia-Burgess XP42-E2Z11 is a switch engineered for dependable operation across industrial, commercial, and consumer product applications. Built with sturdy construction, this component delivers consistent functionality and long-term performance in demanding environments where mechanical durability and electrical reliability are critical. Aumictech offers NIST-traceable calibration and repair for the Johnson Electric / Saia-Burgess XP42-E2Z11. Calibration covers I/O channel accuracy per specification, analog output and input calibration to rated accuracy, and functional communication interface test (serial, Ethernet, fieldbus). All calibrations ship with a NIST-traceable certificate. Turnaround is typically 1-3 business days after receipt. Common Johnson Electric / Saia-Burgess XP42-E2Z11 faults: blown I/O fuses, failed analog modules, power supply capacitor failu



MODEL

**Johnson Electric /
Saia-Burgess
XP42-E2Z11**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

XP42-E2Z11

LISTING

[https://aumictechlabs.c
om/products/xp42-e2z
11-2/](https://aumictechlabs.com/products/xp42-e2z11-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Johnson Electric / Saia-Burgess XP42-E2Z11 is a switch engineered for dependable operation across industrial, commercial, and consumer product applications. Built with sturdy construction,

this component delivers consistent functionality and long-term performance in demanding environments where mechanical durability and electrical reliability are critical. Technical Specifications Electrical and mechanical specifications are detailed in the manufacturer's documentation. Key Features Durable construction for extended operational life Designed for integration into multi-industry product platforms Consistent performance across varying operating conditions Typical Applications Industrial control systems Commercial equipment Consumer product designs requiring high-reliability switching Compatibility & Integration The XP42-E2Z11 integrates into diverse product architectures. System designers should reference manufacturer documentation for terminal configurations, mounting details, and electrical specifications specific to their integration requirements.

XP42E2Z11 Characteristics / Specifications

PARAMETER	VALUE
Model	XP42-E2Z11
Instrument Type	Snap action switch
Circuit	normally closed (XP4)
Actuator	mushroom plunger (E2)
Terminals	Faston 6.3 × 0.8 mm (code 2)
Approvals Code	Z11 UL, cUL, CSA, ENEC
Family Rating	400 VAC, 16 A
Housing Size	30 × 32 × 12 mm
Housing Material	glass fibre reinforced nylon
Contact Material	silver / Ag nickel
Temperature Range	minus 20 C to plus 140 C
Mechanical Life	10 million cycles minimum, impact free
Enclosure	IP40
Mounting	screw mounting
UI Resistive	250 VAC 16 A, 0.75 pf, 6000 operations
UI Horsepower 125 Vac	UL 1054 horsepower table at 125 VAC, 0.45 pf, 6000 operations
En Resistive 250 Vac	16 A, inductive 6 A, T85 C, 50000 operations
En Resistive 400 Vac	16 A, inductive 4 A, T140 C, 10000 operations
Dc Rating Low	0 to 15 VDC 10 A, 50000 operations
Dc Rating High	15 to 30 VDC 7 A, 50000 operations
Manufacturer	Johnson Electric Saia-Burgess
Literature	Burgess XP preferred range and specifications pages
Family	Burgess XP snap action switches
Form Factor	screw mount snap switch
System Role	NC mushroom plunger interlock

PARAMETER	VALUE
Brand Lineage	Saia-Burgess Johnson Electric
Contact Gap Class	greater than 3 mm at full travel option on XP family
Forced Break Class	positive action force break on NC XP members

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Terminals	Faston 6.3 x 0.8 mm (code 2)
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Housing Material	glass fibre reinforced nylon
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Temperature Range	minus 20 C to plus 140 C
Mechanical Life	10 million cycles minimum, impact free
Enclosure	IP40
Mounting	screw mounting
UL Resistive	250 VAC 16 A, 0.75 pf, 6000 operations
UL Horsepower 125 Vac	UL 1054 horsepower table at 125 VAC, 0.45 pf, 6000 operations
En Resistive 250 Vac	16 A, inductive 6 A, T85 C, 50000 operations
En Resistive 400 Vac	16 A, inductive 4 A, T140 C, 10000 operations
Dc Rating Low	0 to 15 VDC 10 A, 50000 operations
Dc Rating High	15 to 30 VDC 7 A, 50000 operations
Manufacturer	Johnson Electric Saia-Burgess
Literature	Burgess XP preferred range and specifications pages
Family	Burgess XP snap action switches
Form Factor	screw mount snap switch
System Role	NC mushroom plunger interlock
Brand Lineage	Saia-Burgess Johnson Electric

PARAMETER	VALUE
Contact Gap Class	greater than 3 mm at full travel option on XP family
Forced Break Class	positive action force break on NC XP members

Notes

Numeric rows from the Burgess XP datasheet family tables and XP coding (XP42-E2Z11 = NC Faston mushroom Z11). Actuating-force millimetres for the exact E2/XP4 combination are on the XP operating-characteristics table; use the XP42E2 row on that page rather than the straight-plunger XP42Z11 1.8 N figure.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.