Allen-Bradley 1606-XLSBUFFER24

Model: 1606-XLSBUFFER24
Brand: Allen-Bradley
Series: Bulletin 1606-XL

1606-XLS capacitor buffer module (integrated electrolytic capacitor storage) for 24 V DC buffer operation with a 1606-XLS supply; bridges short mains interruptions without a battery.

—— Hardware ——
Mounting: DIN rail mounting
Function: DC buffer module; bridges short mains interruptions via integrated electrolytic capacitors (no battery); 22.5 V in buffer mode

Approvals: UL 60950-1 / cUL / CE marked (per official Bulletin 1606 series standard)
—— Communication ——
Built-in ports: None (no communication interface)
Protocols: None (no communication interface)

—— Electrical ——
Input voltage: 24…28.8 V DC bus (from connected power supply)
Output voltage: 22.5…27.8 V DC (22.5 V in buffer mode)
Output current: 20 A maximum (per official product page / 1606-TD002)
Rated power: 480 W
Buffer time: 310 ms typical at 20 A (per 1606-TD002)
Charging time: 18 s (per 1606-TD002)
Storage element: electrolytic capacitors, 0.2 kWs integrated (per 1606-TD002)

—— Environmental ——
Operating temperature: -25...+70 ° C (per 1606-TD002)
Storage temperature: -40...+70 ° C (per PULS OEM counterpart UF20.241, hardware-identical capacitor buffer module; not a Rockwell-published value)
Relative humidity: 5...95 % r.H. non-condensing (per PULS OEM counterpart UF20.241; not a Rockwell-published value)
Protection rating: IP20 (per Bulletin 1606 switched-mode power supply series standard; DIN-rail open-frame construction)

—— Physical ——
Dimensions (H × W × D): 124 × 64 × 102 mm (converted from W × H × D 64 × 124 × 102 per 1606-TD002)

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Weight: 0.74 kg (740 g per PULS OEM counterpart UF20.241 manual; not a Rockwell-published value)

—— Lifecycle ——

Current: Active on official Rockwell product page (Last verified: 2026-10)

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