DCS-200W / DCS-200W-U

DALI Controlled Contactor & Power Switch • Architectural Lighting Controls

The DCS-200W-U is an enterprise-grade 35mm DIN-rail switching module designed specifically for commercial and architectural lighting loads. Synchronised micro-controller zero-voltage crossing switching eliminates contact welding and destructive voltage transients when driving high-inrush capacitive LED drivers.

KEY ARCHITECTURAL FEATURES

- **Synchronised zero-crossing** solid-state relay switching supporting 16A peak inrush transients
- **Certified DALI-2** IEC 62386-101/102/208 DT7 switching device profile
- **Ultra-low DALI** bus current consumption (<= 1.8 mA) preserving bus power budget
- **Physical manual** override toggle button with bidirectional optical LED health status

VERIFIED TECHNICAL SPECIFICATIONS

Part Number / Order Code	DCS-200W / DCS-200W-U
Input Electrical Ratings	180V — 265V AC, 50/60 Hz, 200VA Continuous / 16A Peak Inrush
Supported Field Protocols	DALI-2 DT7 (IEC 62386-101 / 102 / 208)
Mounting & Dimensions	35mm DIN-Rail (2-Module, 90 x 36 x 58 mm)
Enclosure Rating & Material	Flame Retardant UL94-V0 Polycarbonate (IP20)
Ambient Operating Range	-20°C to +55°C Operating Range
Certification Standards	IEC 62386-101:2018, IEC 62386-102:2018, EN 55015:2019, CE, BIS

TERMINAL BLOCK PINOUT & WIRING ASSIGNMENTS

Terminal / Pin	Designation & Electrical Function
T1 (L-IN)	Mains AC Phase Input (230V AC)
T2 (N-IN)	Mains AC Neutral Return
T3 (DA+)	DALI-2 Isolated Bus Positive
T4 (DA-)	DALI-2 Isolated Bus Negative
T5 (L-OUT)	Switched Phase Output (Zero-Cross Switched Load)
T6 (N-OUT)	Neutral Output Pass-Through

Regulatory Compliance Notice: Manufactured and tested strictly in accordance with ISO 9001:2015 quality standards at AISPL Engineering Facility, Mumbai, India. All technical specifications are subject to verification against local BIS / IEC installation guidelines.

✓ VERIFIED BY AISPL MUMBAI LAB
TEST REPORT CERT: AISPL-DS-DCS200-2026-REV2-OK

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