

XLNT POWERMOTION™

- **XLNT DS8 Pro**
 - **XLNT DS8 Pro Plus**
- ## Motor Controllers



Solid-State motor controllers for 8 Low Voltage or Direct Control chain hoists of any type/brand

- Designed for the high-end rigging industry, includes all required features
- Solid-state relays/contactors for Phase reverse/circuit breaker/E-stop per channel, safe, durable, lightweight and low maintenance
- Hoist and limit detection (LV-model), Phase detection on the hoist, Auto Phase detection and Auto Phase reversal
- Added flexibility with optional remote control to control all units' functions
- Link/remote function (Pro Plus models) up to 8 units, group function
- Compliant with the highest international safety regulations (SIL2)
- E-Stop system is fully redundant

Product versions and options

Full hoist control for professional rigging applications (8ch Direct or Low Voltage Controls)

	400V	208V	Direct Control	Low Voltage Control	Additional remote link & connections	32A 3-Phase link-through	30A 3-Phase link-through	Pro Plus options, to replace standard 3-Phase link-through (400V/30A 208V)
DS8 DC Pro 400	x		x					
DS8 DC Pro Plus 400	x		x		x	x		1x16A Single Phase (Cee Ph+N+Gr) plus RCD
DS8 LV Pro 400	x			x				
DS8 LV Pro Plus 400	x			x	x	x		1x16A Single Phase (Cee Ph+N+Gr) plus RCD
DS8 DC Pro 208		x	x					
DS8 DC Pro Plus 208		x	x		x		x	1x15A Single Phase (Ph+N+Gr) plus RCD
DS8 LV Pro 208		x		x				
DS8 LV Pro Plus 208		x		x	x		x	1x15A Single Phase (Ph+N+Gr) plus RCD

Accessories:

Handheld remote controls for XLNT DS8 Pro Plus Series Motor Controllers (see separate datasheet)

XLNT DSR 8 For control of one DS8 Pro Plus unit of 8 channels

XLNT DSR 8x8 For easy modular system configuration of 8 to 64 motors (up to 8 DS8 Pro Plus units of 8 channels each)

- Output Connector Options:
 - Harting 16
 - CEE red (direct control only)
- Socapex 419
 - Harting 32
 - Socapex 7p (208V only)
- Harting 10

KEY FEATURES

Providing every essential option for controlling standard electrical entertainment chain hoists:

- Designed primarily for top-flight rental applications
- Equally suited to fixed installations
- Multi-voltage for world-wide use
- Designed around the practical experience and requirements of leading riggers

Durable & low maintenance:

- Solid-state (no moving parts): easily serviceable and low maintenance
- Built to last: heavy duty industrial grade toggle switches, buttons and output connectors

Highest level of safety & protection

- Integrated PL D, ISO 13849-1, CWA 15902-1 and SIL2 compliant Emergency Stop System
- Individual circuit breaker adjustable from 0-9A to protect motor against overload and short circuits
- Group Safety Mode: If power fails at one hoist, the power

supply will be cut for all connected channels

- Automatic Phase detection and reversion
- Limit switch detection: Group stops automatically when any limit is reached; with LED status indication (Low Voltage version only)

Easy operation with remote control

- LED Status Indicators for:
 - Travel direction per motor/channel
 - Incoming 3-Phase power:
- No hoist will be activated, unless power supply is correct
- Hoist connection detection with LED status indication (Low Voltage version only)
- Power on/off switch to switch on/off complete unit's power
- Finger support bracket under 'Go!' button for operation without strain
- Remote/Link connection to connect up to 8 DS8 units (via an optional dedicated remote control of up to 64 motors/channels)

SPECIFICATIONS

3 Power Output connector options:

- 2x 400V / 208V 3-Phase (Direct Control) or 4x (Low Voltage) Socapex 419 multi-connector
- 2x 400V / 208V 3-Phase (Direct Control) or 4x (Low Voltage) Harting HAN16 multi-connector
- 8x 16 Amp CEE 3-Phase Red 400V 3F+Gr connectors (Direct Control only)
- 2 x Socapex 419 (Direct Control)
- 4 x Socapex 419 (Low Voltage control)
- 8 x Socapex 7 pin
- 2 x Harting 32

Power input connector:

1x CEE 3-Phase 400V 32A or 208V 30A 3F+N+Gr connector

Remote and Link in/out:

Remote and Link connectors (Plus versions only)

Emergency Stop:

PL D, ISO 13849-1, CWA 15902-1 and SIL2

Internal Solid State MCB:

Individual per motor 0 < 9A

Enclosure:

Powder coated steel

Weight (physical):

13.5 kg (DS8 DC Pro) / 29.76 lbs

Dimensions (physical, HxWxD):

223 mm x 483 mm x 300 mm [8.78" x 19.02" x 11.81"], without 482.6 mm [19"] mounting brackets and rear connectors

Classification:

CE, UL/ETL compliant and built in accordance with applicable EU standards, incl. Machine Directive, Low Voltage Directive, CWA 15902-1, EMC, BGV-D8 and D8+ compliant to EN60204-1, EN61000-6-2 and EN61000-6-4 standards

Ingress Protection:

IP40

Operational power input Range:

208V +/- 10% or 380V +/- 10% 3-Phase 3Ph-N-Gr, 50 Hertz

Operational temp. range:

0 to 45 degrees Celsius / 32 to 113 degrees Fahrenheit