

DCM-DyNet

DMC2/DMC4 Communication Module



Specification Sheet

Controllers > DMC Modules



DyNet, DMX, and dry contact connectivity for the DMC2 and DMC4

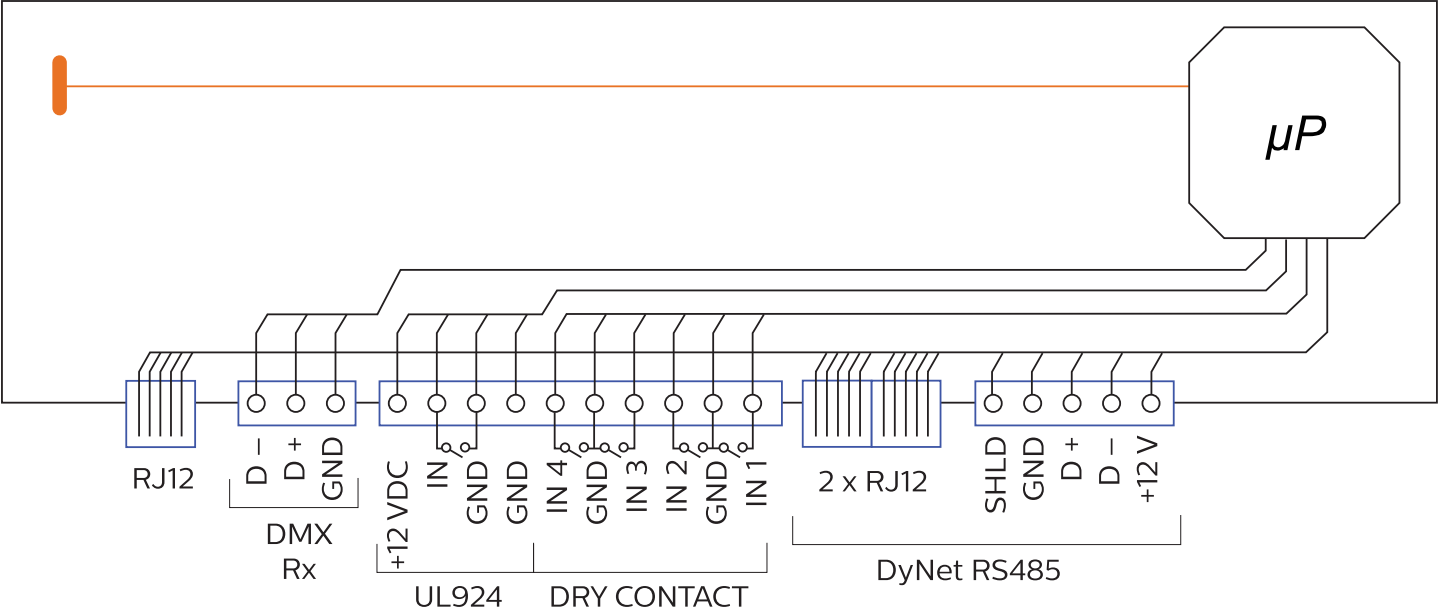
Refer to the DMC2 and DMC4 Specification Sheet for more information.

Specifications

Electrical	
DyNet DC Output Voltage	12/24 VDC
DyNet DC Output Current	200 mA
Control	
Communication Ports	1 x RS-485 1 x DMX Rx 1 x UL 924*
Supported Protocols	DyNet DyNet2 DMX Rx
DMX Rx Channels	512 (max)
Dry Contact Inputs	4 + 1 (UL 924) (UL 924 input must only be used with systems complying to UL 924, and must not be used with any other system.)
User Controls	1 x service switch 1 x channel override keypad
Indicators	1 x service LED

Physical	
Serial Ports	3 x RJ12 1 x 5-way pluggable screw terminal
Dry Contact Terminals	1 x 10-way pluggable screw terminal
DMX Terminals	1 x 3-way pluggable screw terminal
Terminal Conductor Size	4 mm² (#11 AWG) (max)

Electrical Drawing



Ordering Codes

Product		12NC
DCM-DyNet	DyNet Comms module (Also suitable for UKCA markets)	913703666209

DMD310 & DMD316

DMC2/DMC4 Signal Dimmer Module



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Three-channel DALI Addressable, DALI Broadcast, DSI, or 1-10 V control.

Refer to the DMC2 and DMC4 Specification Sheet for more information.

Specifications

Electrical		
Switched Outputs		3

Electrical Protection		
DMD310-CE	3 x 10 A dual pole C-curve circuit breaker (IEC approved)	
DMD316-CE	3 x 16 A dual pole C-curve circuit breaker (IEC approved)	
DMD310-RCBO-CE	3 x 10 A C-curve RCBO (IEC approved)	
DMD316-RCBO-CE	3 x 10 A C-curve RCBO (IEC approved)	
DMD316UL	3 x 20 A dual pole C-curve circuit breaker (UL 489 listed)	

Control		
Control Channel Outputs		3
(DALI Addressable, DALI Broadcast, 1-10 V, DSI)		

Physical		
Switched Terminals		3 x 2-way screw terminal
Switched Terminal Conductor Size		16 mm² (#6 AWG) (max)
Output Terminals		1 x 6-way pluggable screw terminal
Output Terminal Conductor Size		6 mm² (#10 AWG) (max)

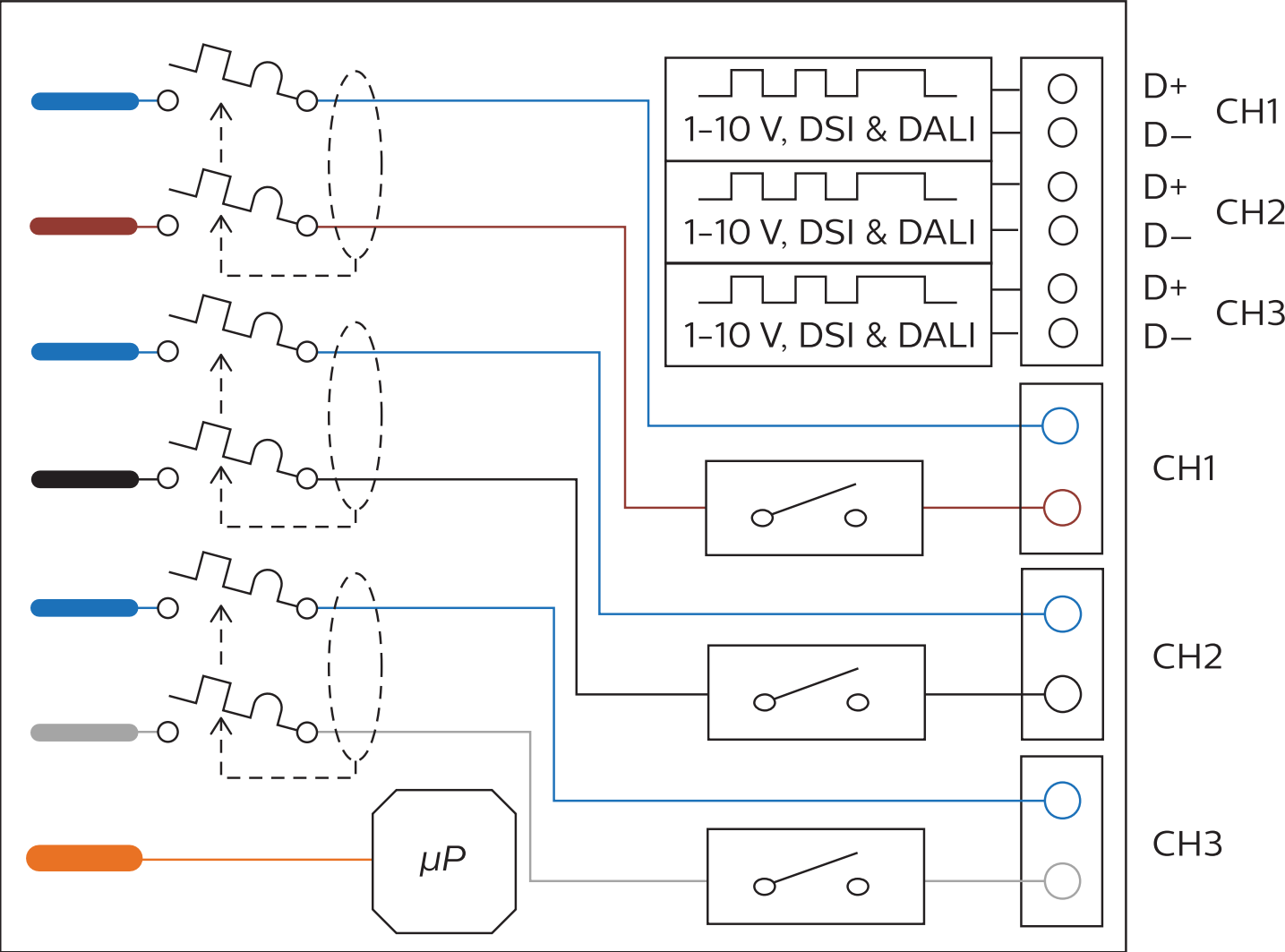
Output Channel Ratings

Load Type		DMD310
Incandescent		10 A, 277 VAC
Magnetic With Halogen		10 A, 277 VAC
Electronic Driver		10 A, 277 VAC
Inrush Current		500 A
Load Type		DMD316
Incandescent		16 A, 277 VAC
Magnetic With Halogen		16 A, 277 VAC
Electronic Driver		16 A, 277 VAC
Inrush Current		500 A
Load Type		Device

Control Channel Ratings

DALI/DSI	
Guaranteed Current	130 mA
Maximum Current	190 mA
Maximum Drivers/Channel	64
Maximum Drivers/Device	192
Insulation	Basic
Notes	Supports Class 1 / Class 2 wiring
1-10 V	
Current (Sink)	50 mA
Current (Source)	50 mA

Electrical Drawing



Ordering Codes

Product		12NC
DMD310-CE	3 x 10 A Signal dimmer control (Also suitable for UKCA markets)	913703666609
DMD310-RCBO-CE	3 x 10 A Signal dimmer control with RCBO (Also suitable for UKCA markets)	913703667109
DMD316-CE	3 x 16 A Signal dimmer control (Also suitable for UKCA markets)	913703666709
DMD316-RCBO-CE	3 x 16 A Signal dimmer control with RCBO (Also suitable for UKCA markets)	913703667209
DMD316-UL	3 x 16 A Signal dimmer control (UL)	913703667509

DMD316FR-UL

DMC2/DMC4 Signal Dimmer Module



Specification Sheet

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Three-channel DALI Addressable, DALI Broadcast, DSI, or 1-10 V control.

Refer to the DMC2 and DMC4 Specification Sheet for more information.

Specifications

Electrical	
Switched Outputs	3 x 16 A feed-through

Control	
Control Channel Outputs	3 (DALI Addressable, DALI Broadcast, 1-10 V, DSI)

Physical	
Packed Weight	1.8 kg (3.97 lb)
Switched Terminals	3 x 2-way screw terminal
Output Terminals	1 x 6-way pluggable screw terminal
Terminal Conductor Size	6 mm² (#10 AWG) (max)

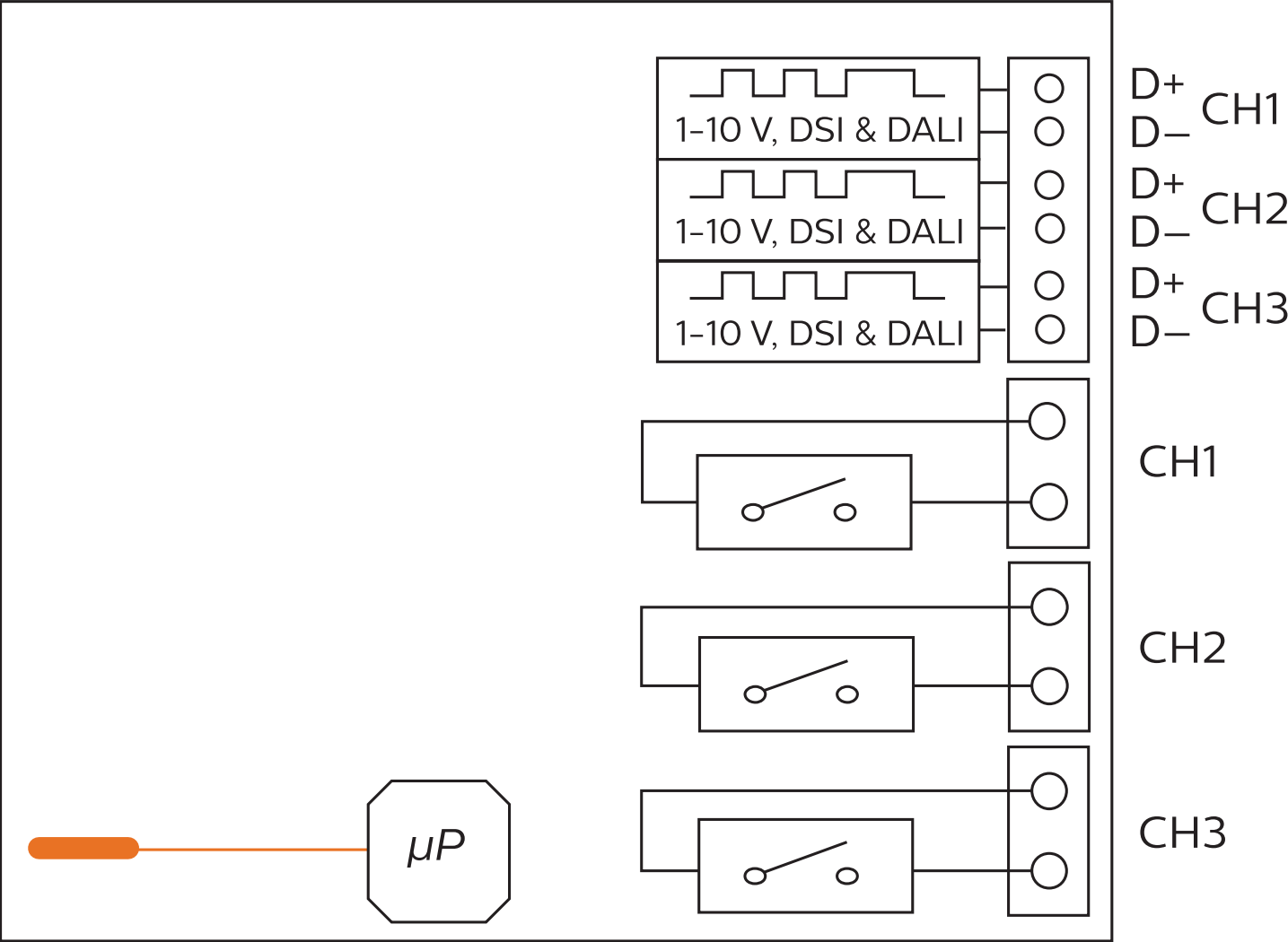
Output Channel Ratings

Load Type		CH1-CH3 (UL)
General Use		20 A, 300 VAC
Incandescent		20 A, 120 VAC
Magnetic With Halogen		20 A, 347 VAC
Electronic Driver		16 A, 347 VAC
Motor		9.8 FLA (½ HP), 110-125 VAC 10 FLA (1½ HP), 220/277 VAC
Load Type		CH1-CH3 (CSA)
General Use		20 A, 347 VAC
Incandescent		20 A, 120 VAC
Magnetic With Halogen		20 A, 347 VAC
Motor		9.8 FLA (½ HP), 110-125 VAC 10 FLA (1½ HP), 220/277 VAC
Load Type		Device

Control Channel Ratings

DALI/DSI	
Guaranteed Current	150 mA
Maximum Current	250 mA
Maximum Drivers/Channel	64
Maximum Drivers/Device	192
Insulation	Basic
Notes	Supports Class 1 / Class 2 wiring
1-10 V	
Current (Sink)	50 mA
Current (Source)	50 mA

Electrical Drawing



Ordering Codes

Product		12NC
DMD316FR-UL	3 x 16 A Signal dimmer control	913703668709

Specifications

Electrical Protection

DMP116	1 x 20 A dual pole C-curve circuit breaker (UL 489 listed)
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Control

Control Channel Outputs	1 x leading/trailing edge dimming
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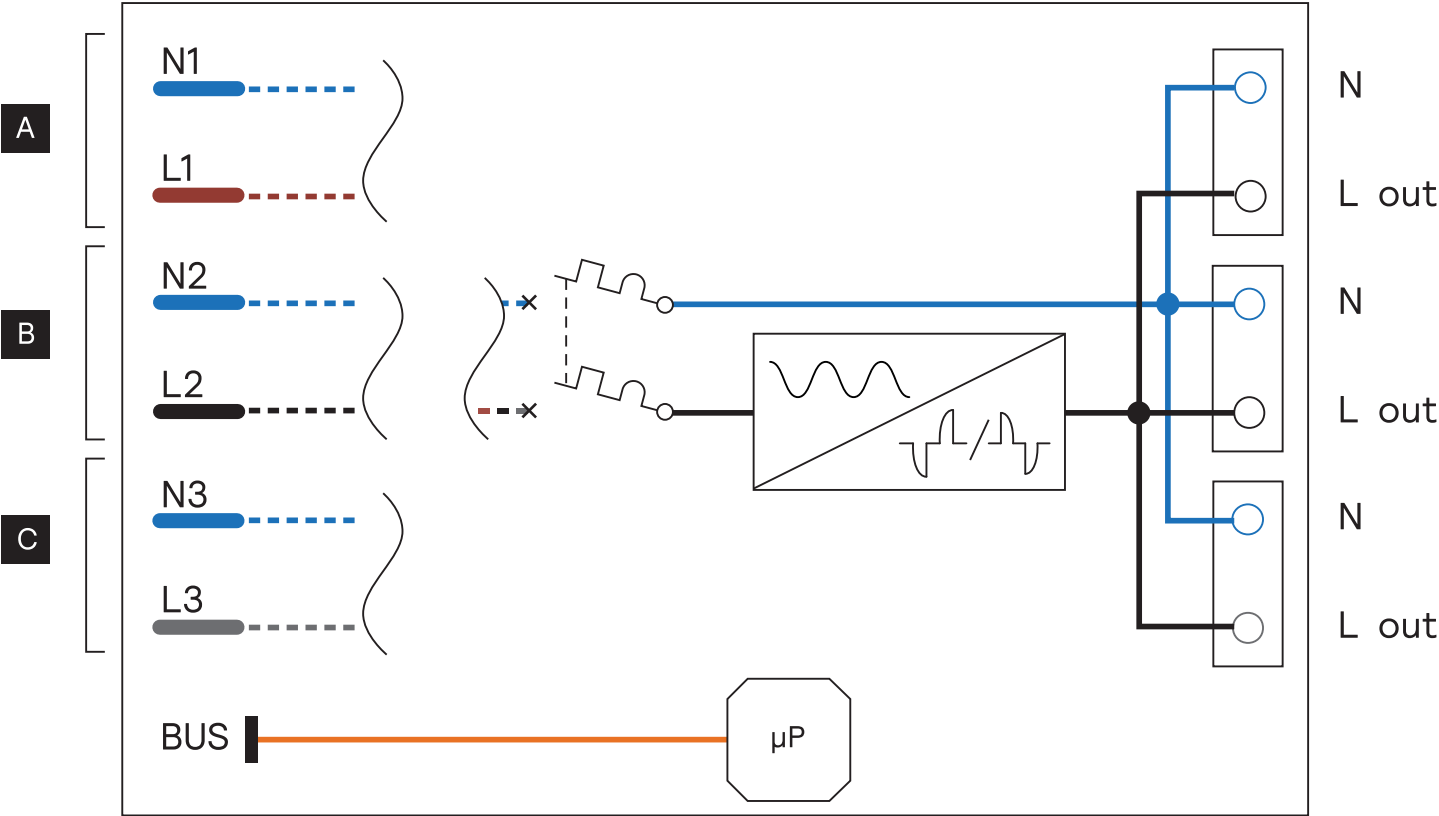
Physical

Packed Weight	2.1 kg (4.63 lb)
Output Terminals	3 x 2-way screw terminal
Terminal Conductor Size	16 mm² (#6 AWG) (max)

Output Channel Ratings

Load Type		Load Type	
Incandescent		Leading/Trailing Edge: 16 A, 120/240 VAC 10 A, 277 VAC	
Magnetic With Halogen		Leading Edge: 16 A, 120/240 VAC 10 A, 277 VAC	
Electronic Driver		Trailing Edge: 16 A, 120/240 VAC 10 A, 277 VAC	
Load Type		Device	

Electrical Drawing



Ordering Codes

Product		12NC
DMP116	1 x 16 A Phase cut dimmer (Also suitable for UKCA markets)	913703348309

DMP310GL

DMC2/DMC4 Phase Cut Dimming Module



Specification Sheet

Controllers > DMC Modules



Leading or trailing edge dimming control

Refer to the DMC2 and DMC4 Specification Sheet for more information.

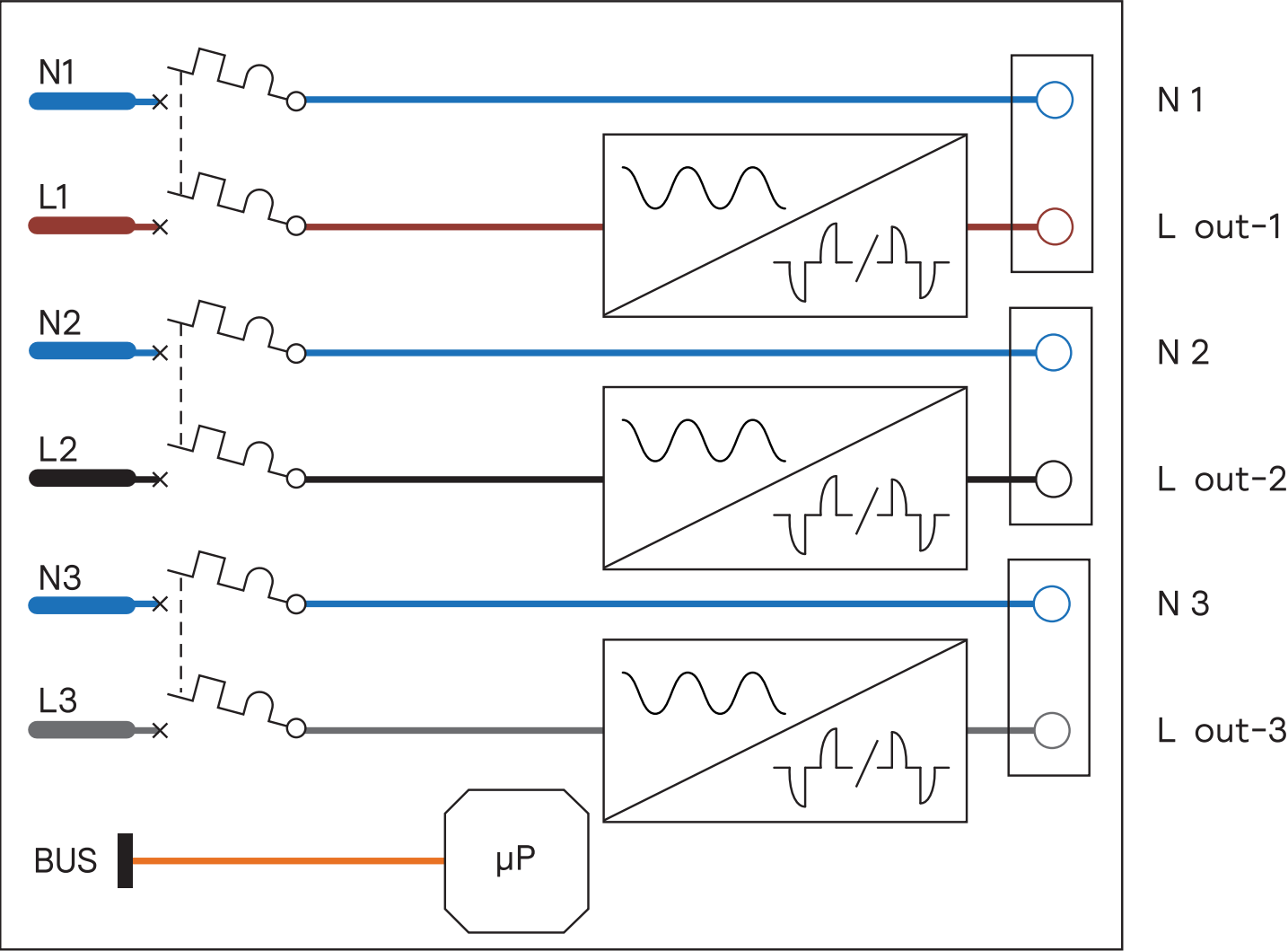
Specifications

Electrical Protection		Control	
DMP310GL-CE	3 x 10 A dual pole C-curve circuit breaker (IEC approved)	Control Channel Outputs	3 x leading/trailing edge dimming
DMP310GL-RCBO-CE	3 x 10 A C-curve RCBO (IEC approved)		
DMP310GL-UL	3 x 20 A dual pole C-curve circuit breaker (UL 489 listed)	Physical	
		Packed Weight	2.1 kg (4.63 lb)
		Output Terminals	3 x 2-way screw terminal
		Terminal Conductor Size	16 mm ² (#6 AWG) (max)

Output Channel Ratings

Load Type		Load Type	
Incandescent		Leading/Trailing Edge: 10 A, 120/240 VAC 4.3 A, 277 VAC	
Magnetic With Halogen		Leading Edge: 10 A, 120/240 VAC 4.3 A, 277 VAC	
Electronic Driver		Trailing Edge: 10 A, 120/240 VAC 4.3 A, 277 VAC	
Load Type		Device	

Electrical Drawing



Ordering Codes

Product		12NC
DMP310GL-CE	3 x 10 A Phase cut dimmer (Also suitable for UKCA markets)	913703666809
DMP310GL-RCBO-CE	3 x 10 A Phase cut dimmer with RCBO	913703667309
DMP310GL-UL	3 x 10 A Phase cut dimmer (UL)	913703667609

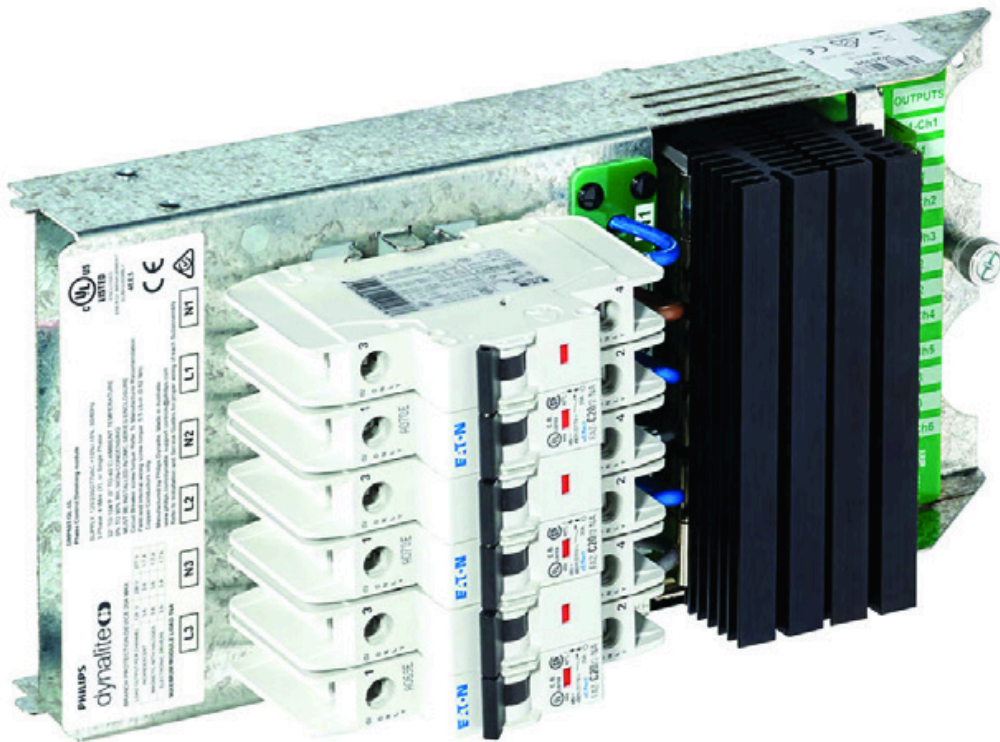
DMP603GL

DMC2/DMC4 Phase Cut Dimming Module



Specification Sheet

Controllers > DMC Modules



Leading or trailing edge dimming control

Refer to the DMC2 and DMC4 Specification Sheet for more information.

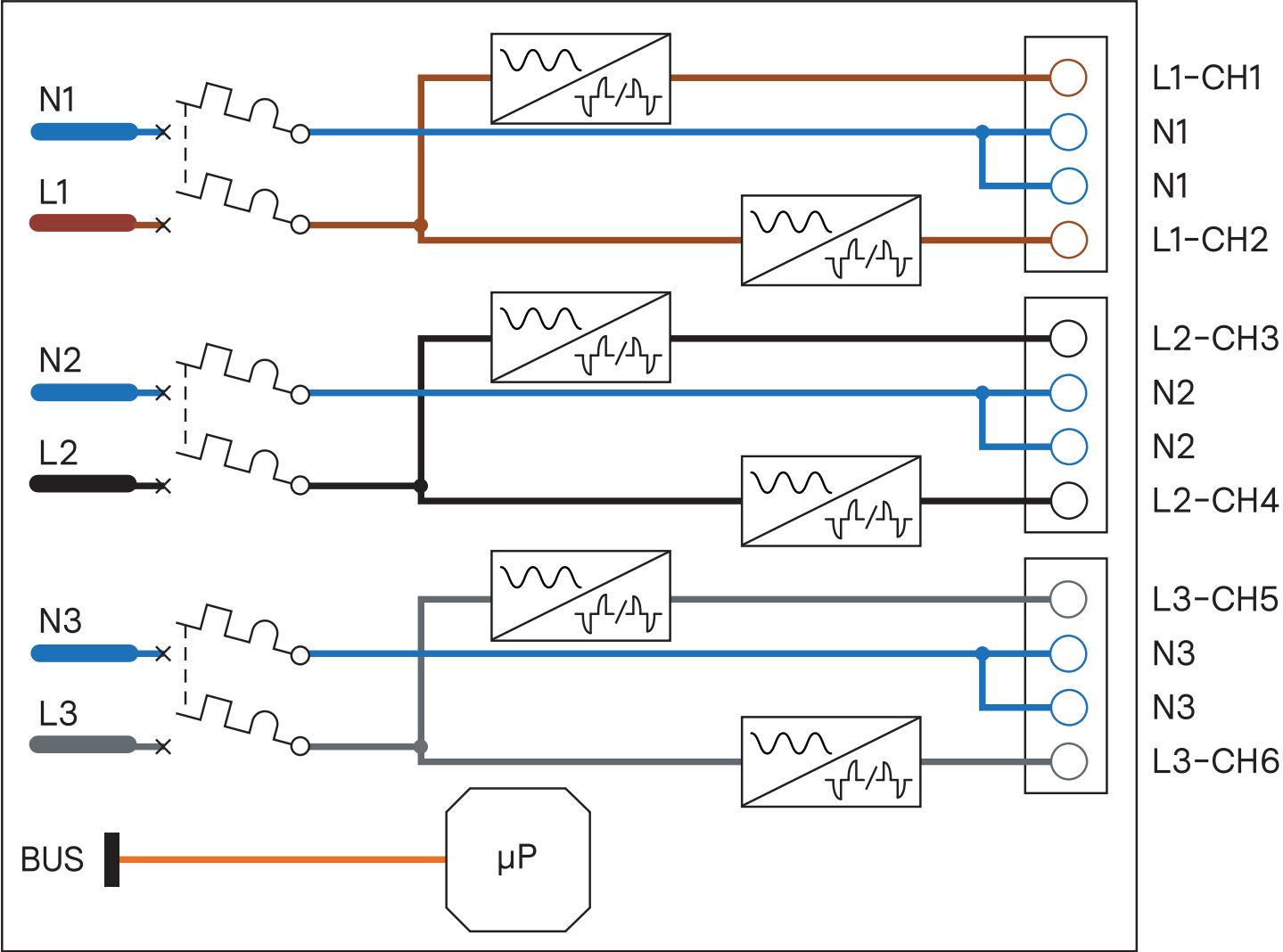
Specifications

Electrical Protection		Control	
DMP603GL-CE	6 x 10 A dual pole C-curve circuit breaker (IEC approved)	Control Channel Outputs	6 x leading/trailing edge dimming
DMP603GL-RCBO-CE	6 x 10 A C-curve RCBO (IEC approved)		
DMP603GL-UL	6 x 20 A dual pole C-curve circuit breaker (UL 489 listed)	Physical	
		Packed Weight	2.3 kg (5.07 lb)
		Output Terminals	3 x 4-way screw terminal
		Terminal Conductor Size	16 mm² (#6 AWG) (max)

Output Channel Ratings

Load Type		Load Type	
Incandescent		Leading/Trailing Edge: 3 A, 120/240 VAC 1.7 A, 277 VAC	
Magnetic With Halogen		Leading Edge: 3 A, 120/240 VAC 1.7 A, 277 VAC	
Electronic Driver		Trailing Edge: 3 A, 120/240 VAC 1.7 A, 277 VAC	
Load Type		Device	

Electrical Drawing



Ordering Codes

Product		12NC
DMP603GL-CE	6 x 3 A Phase cut dimmer (Also suitable for UKCA markets)	913703668509
DMP603GL-RCBO-CE	6 x 3 A Phase cut dimmer with RCBO (Also suitable for UKCA markets)	913703668609
DMP603GL-UL	6 x 3 A Phase cut dimmer (UL)	913703668409

DMR310 & DMR316

DMC2/DMC4 Relay Control Module



Specification Sheet

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Three-channel switching control

Refer to the DMC2 and DMC4 Specification Sheet for more information.

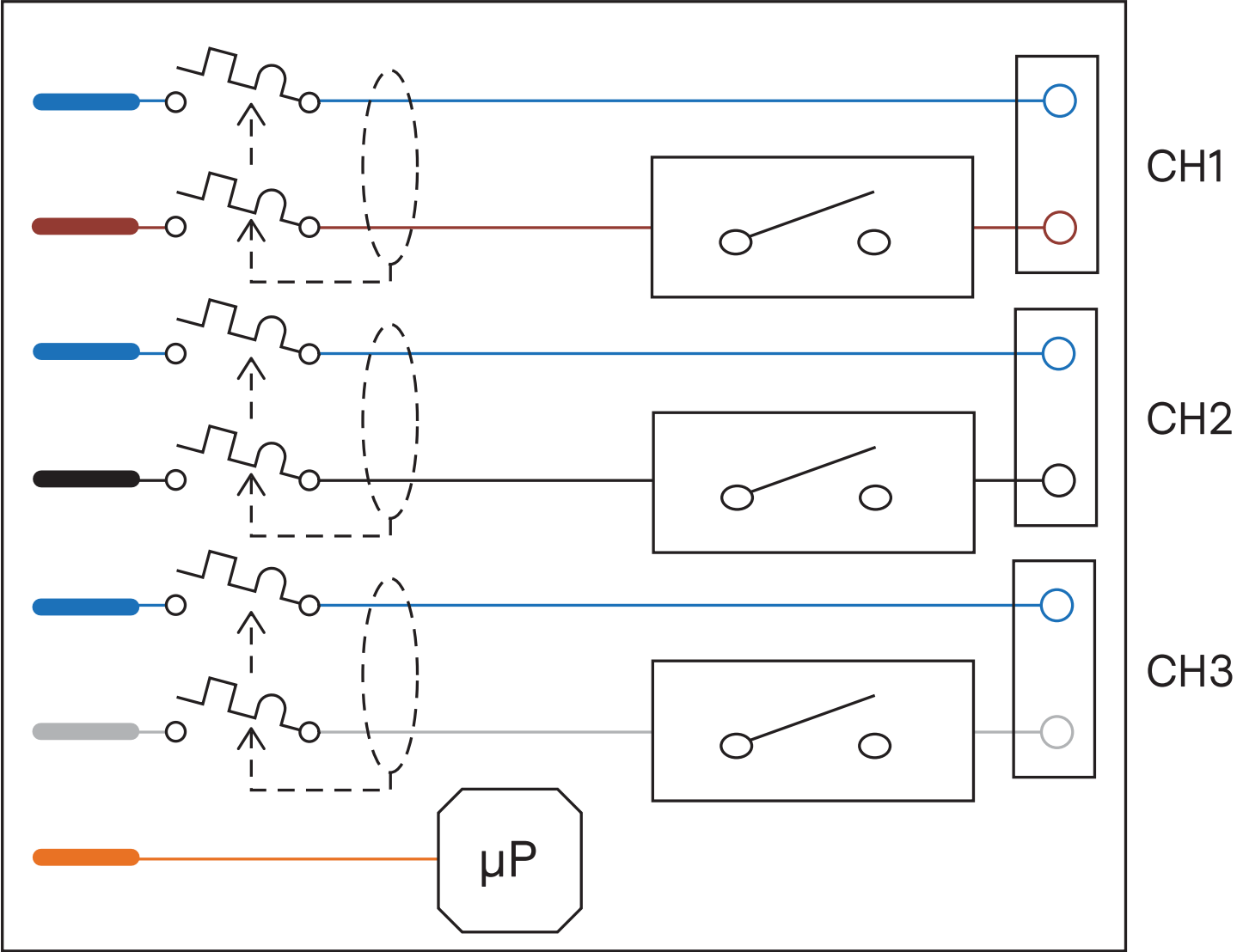
Specifications

Electrical Protection		Control	
DMR310-CE	3 x 10 A dual pole C-curve circuit breaker (IEC approved)	Control Channel Outputs	3 x relay
DMR310-RCBO-CE	3 x 10 A C-curve RCBO (IEC approved)		
DMR316-CE	3 x 16 A dual pole C-curve circuit breaker (IEC approved)	Physical	
DMR316-RCBO-CE	3 x 16 A C-curve RCBO (IEC approved)	Packed Weight	1.7 kg (3.75 lb)
DMR316-UL	3 x 20 A dual pole C-curve circuit breaker (UL489 listed)	Output Terminals	3 x 2-way screw terminal
		Terminal Conductor Size	16 mm² (#6 AWG) (max)

Output Channel Ratings

Load Type		DMR310
Incandescent		10 A, 277 VAC
Magnetic With Halogen		10 A, 277 VAC
Electronic Driver		10 A, 277 VAC
Motor		9.8 FLA (½ HP) 120 VAC 10 FLA (1 ½ HP) 230/277 VAC
Inrush Current		500 A
Load Type		DMR316
Incandescent		16 A, 277 VAC
Magnetic With Halogen		16 A, 277 VAC
Electronic Driver		16 A, 277 VAC
Motor		16 FLA (½ HP) 120 VAC 12 FLA (1 ½ HP) 230/277 VAC
Inrush Current		500 A
Load Type		Device

Electrical Drawing



Ordering Codes

Product		12NC
DMR310-CE	3 x 10 A Relay control (Also suitable for UKCA markets)	913703666409
DMR310-RCBO-CE	3 x 10 A Relay control with RCBO (Also suitable for UKCA markets)	913703666909
DMR316-CE	3 x 16 A Relay control (Also suitable for UKCA markets)	913703666509
DMR316-RCBO-CE	3 x 16 A Relay control with RCBO (Also suitable for UKCA markets)	913703667009
DMR316-UL	3 x 16 A Relay control (UL)	913703667409

DMR610GL

DMC2/DMC4 Relay Control Module



Specification Sheet

Controllers > DMC Modules



Six-channel switching control

Refer to the DMC2 and DMC4 Specification Sheet for more information.

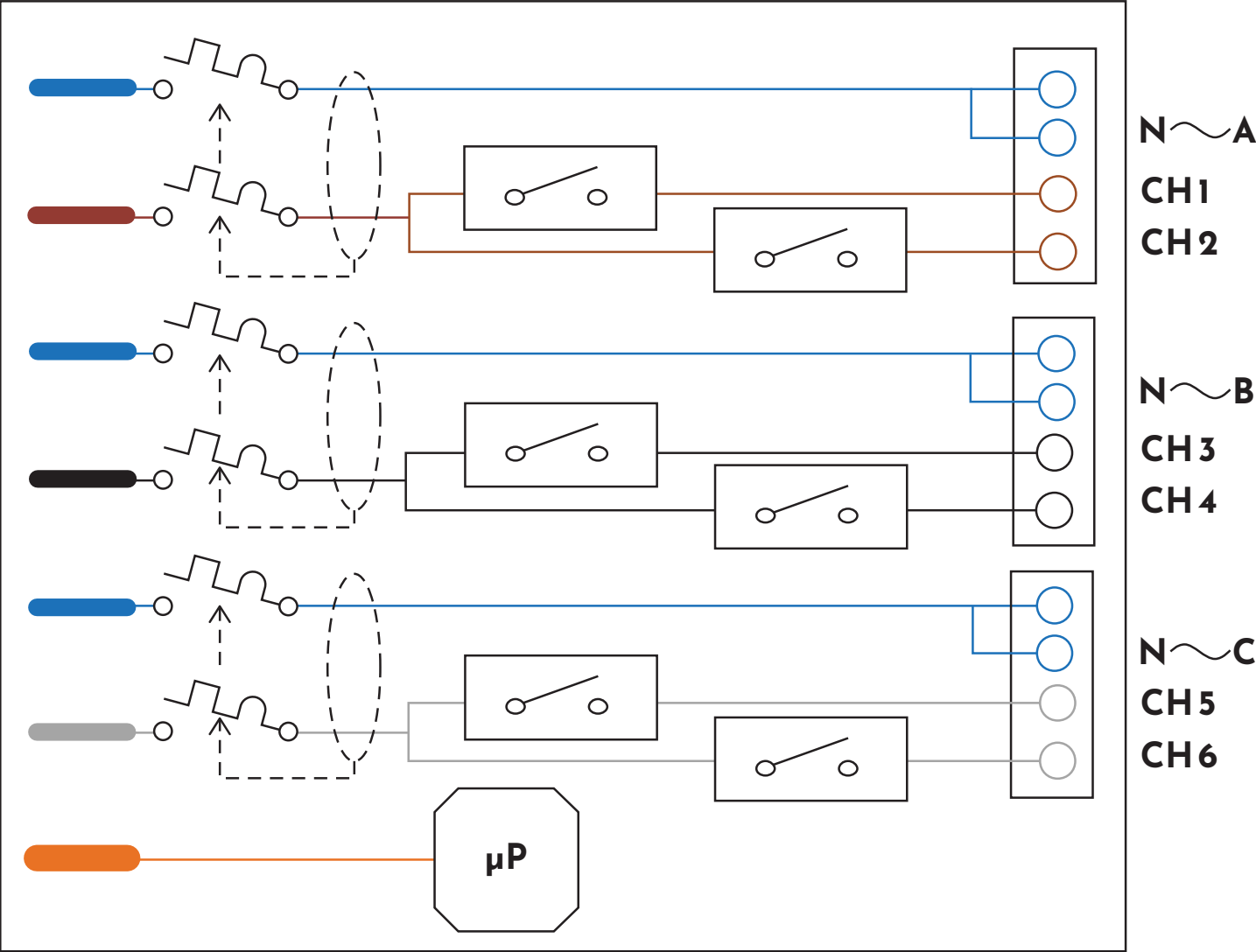
Specifications

Electrical Protection		Control	
DMR610GL-CE	6 x 16 A dual pole C-curve circuit breaker (IEC approved)	Control Channel Outputs	6 x relay
DMR610GL-RCBO-CE	6 x 16 A C-curve RCBO (IEC approved)		
DMR610GL-UL	6 x 20 A dual pole C-curve circuit breaker (UL489 listed)	Physical	
		Packed Weight	1.9 kg (4.19 lb)
		Output Terminals	3 x 4-way screw terminal
		Terminal Conductor Size	≤5 mm² (#10+ AWG)

Output Channel Ratings

Load Type	CH1-CH6
Incandescent	10 A, 277 VAC
Magnetic With Halogen	10 A, 277 VAC
Electronic Driver	10 A, 277 VAC
Motor	9.8 FLA (½ HP) 120 VAC 10 FLA (1 ½ HP) 230/277 VAC
Inrush Current	500 A
Maximum Group Load	
CH1-CH2, CH3-CH4, CH5-CH6	Continuous Current: ≤10 A
Total Module Load	
≤30 A	

Electrical Drawing



Ordering Codes

Product		12NC
DMR610GL-CE	6 x 10 A Relay control (Also suitable for UKCA markets)	913703668209
DMR610GL-RCBO-CE	6 x 10 A Relay control with RCBO (Also suitable for UKCA markets)	913703668309
DMR610GL-UL	6 x 10 A Relay control (UL)	913703668109

DSM2

DMC2 Supply Module



Specification Sheet

Controllers > DMC Modules



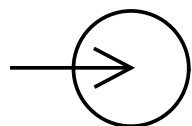
Single-Phase or Three-Phase power for the DMC2

Refer to the DMC2 Specification Sheet for more information.

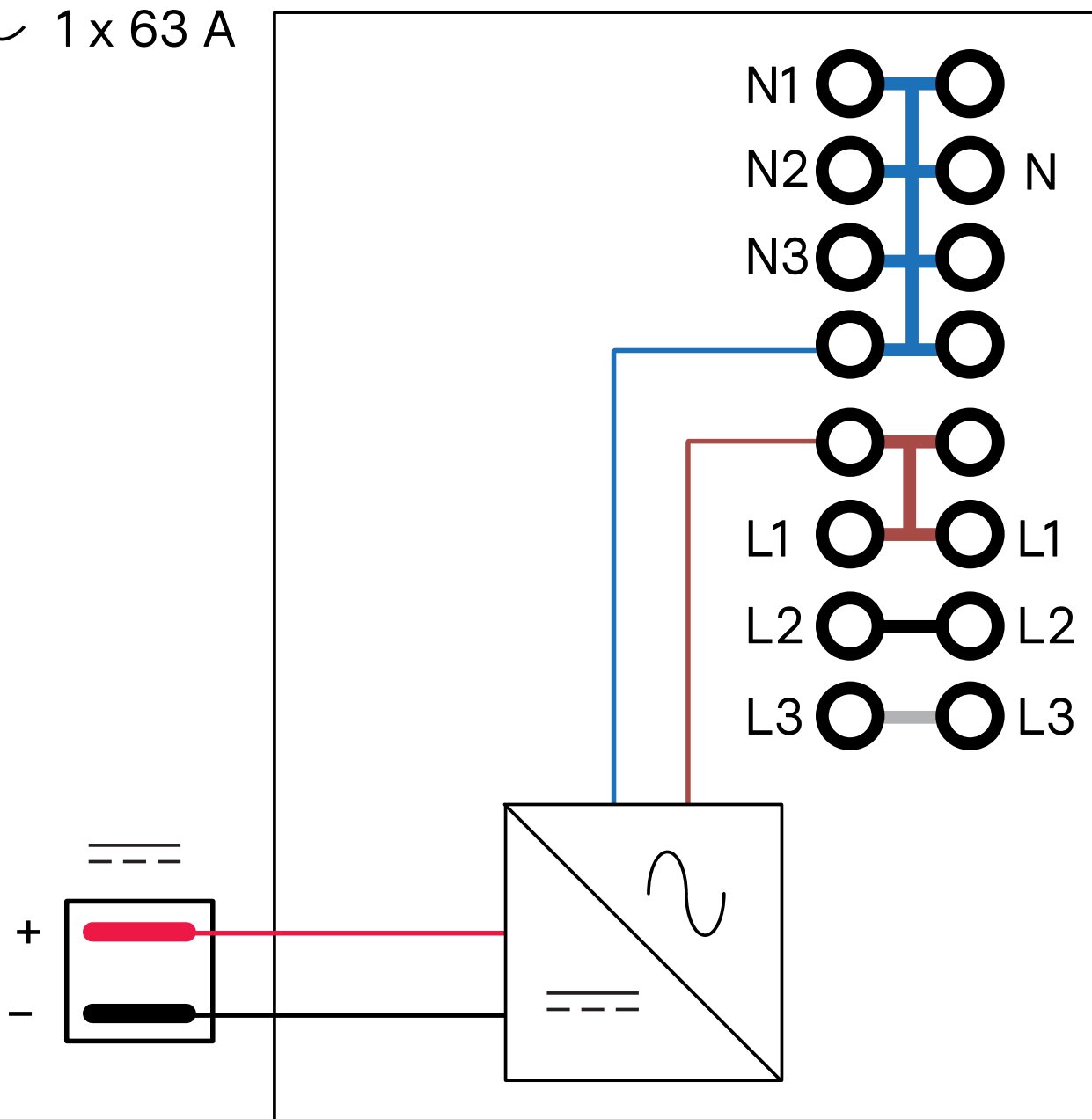
Specifications

Electrical	
Supply Type	Single-phase Three-phase, four wire (A)
Single-Phase Supply	120/230/277 VAC @ 63 A
Three-Phase Supply	120/230/277 VAC (±10%) @ 32 A/phase
IEC Overvoltage Category	III

Physical	
Supply Terminals	4 x screw terminal (L1, L2, L3, Neutral) (Earth link bar provided)
Supply Terminal Conductor Size	16 mm² (#6 AWG) (max)



1 ~ 1 x 63 A



Ordering Codes

Product	12NC
DSM2	DMC2 Supply module (Also suitable for UKCA markets) 913703500509