

# 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*
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Supported Protocols	DyNet DyNet2 DMX Rx
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DMX Rx Channels	512 (max)
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Dry Contact Inputs	4 + 1 (UL 924)
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(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
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Indicators	1 x service LED
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### Physical

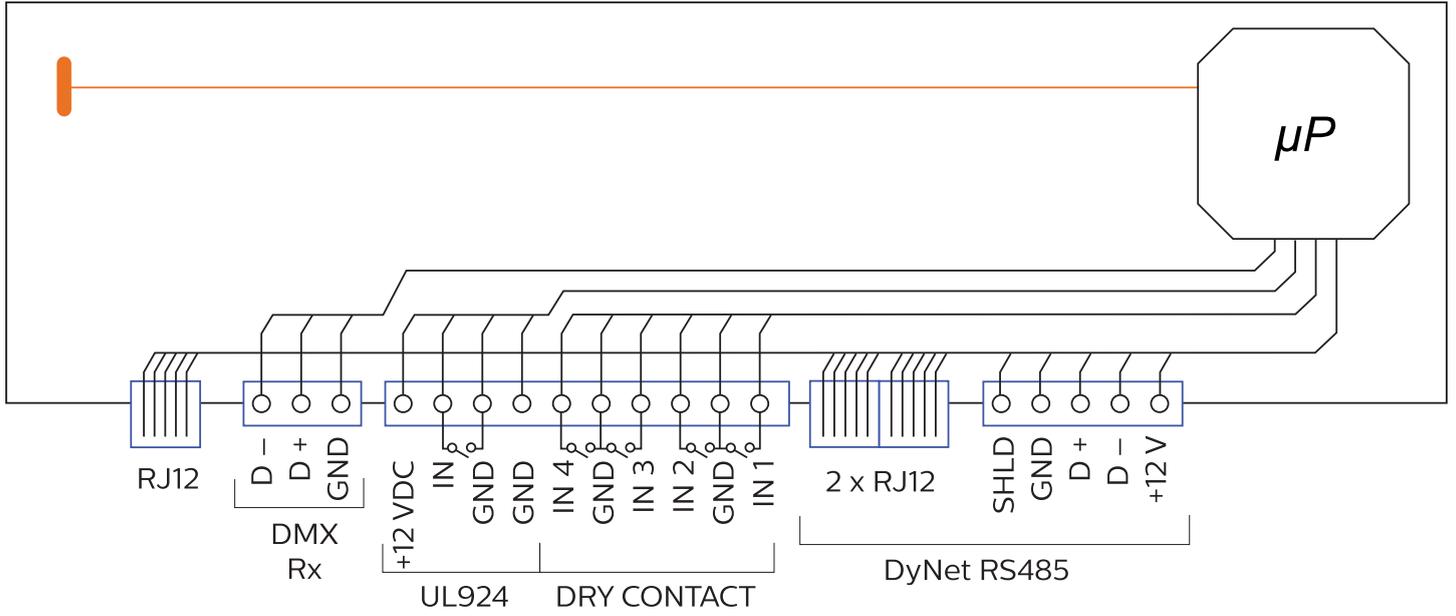
Serial Ports	3 x RJ12 1 x 5-way pluggable screw terminal
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Dry Contact Terminals	1 x 10-way pluggable screw terminal
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DMX Terminals	1 x 3-way pluggable screw terminal
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Terminal Conductor Size	4 mm <sup>2</sup> (#11 AWG) (max)
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**Electrical Drawing**



**Ordering Codes**

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

# DMD310 & DMD316

DMC2/DMC4 Signal Dimmer Module



## Specification Sheet

Controllers > DMC Modules



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 mm<sup>2</sup> (#6 AWG) (max)

Output Terminals 1 x 6-way pluggable screw terminal

Output Terminal Conductor Size 6 mm<sup>2</sup> (#10 AWG) (max)

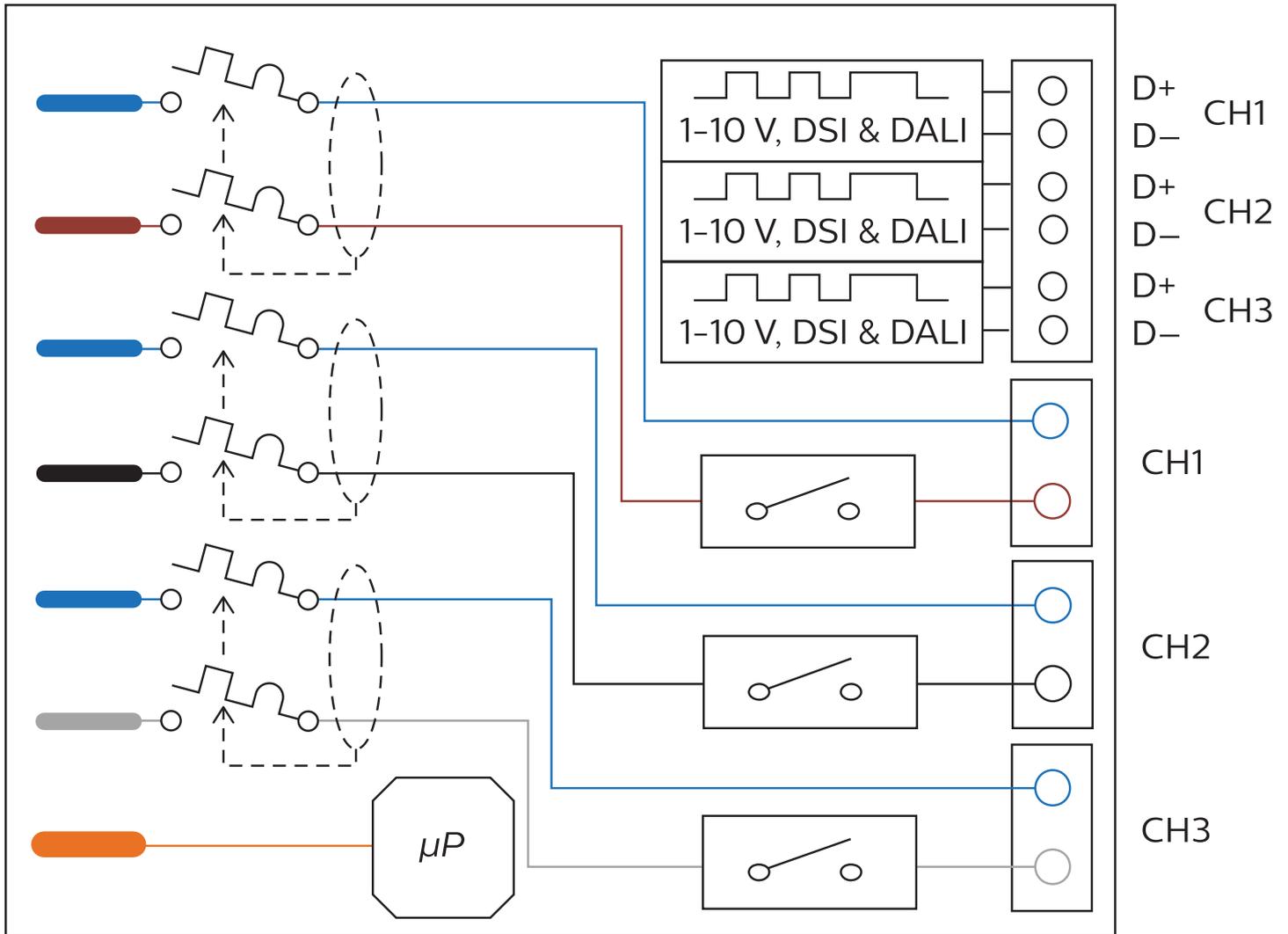
## Output Channel Ratings

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

Controllers > DMC Modules



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

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

## Specifications

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### Electrical

Switched Outputs	3 x 16 A feed-through
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### Control

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

Packed Weight	1.8 kg (3.97 lb)
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Switched Terminals	3 x 2-way screw terminal
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Output Terminals	1 x 6-way pluggable screw terminal
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Terminal Conductor Size	6 mm <sup>2</sup> (#10 AWG) (max)
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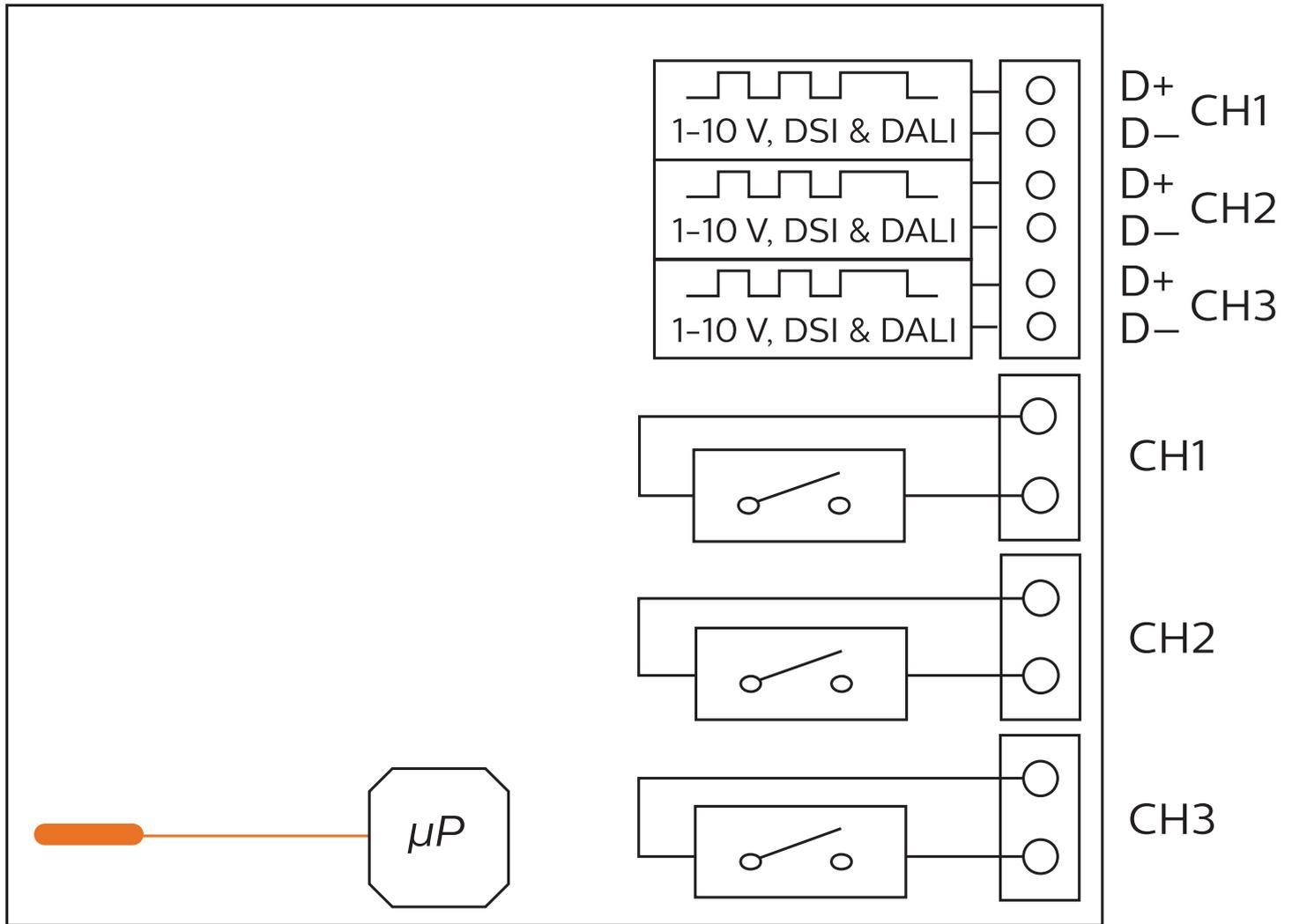
## Output Channel Ratings

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

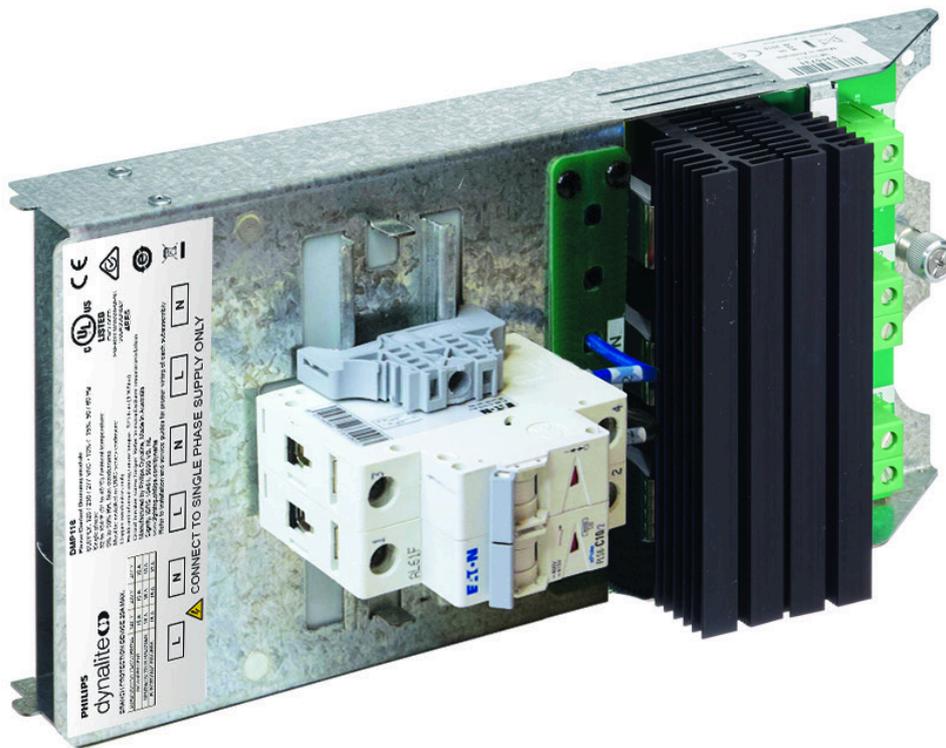
# DMP116

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

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### 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)
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Output Terminals	3 x 2-way screw terminal
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Terminal Conductor Size	16 mm <sup>2</sup> (#6 AWG) (max)
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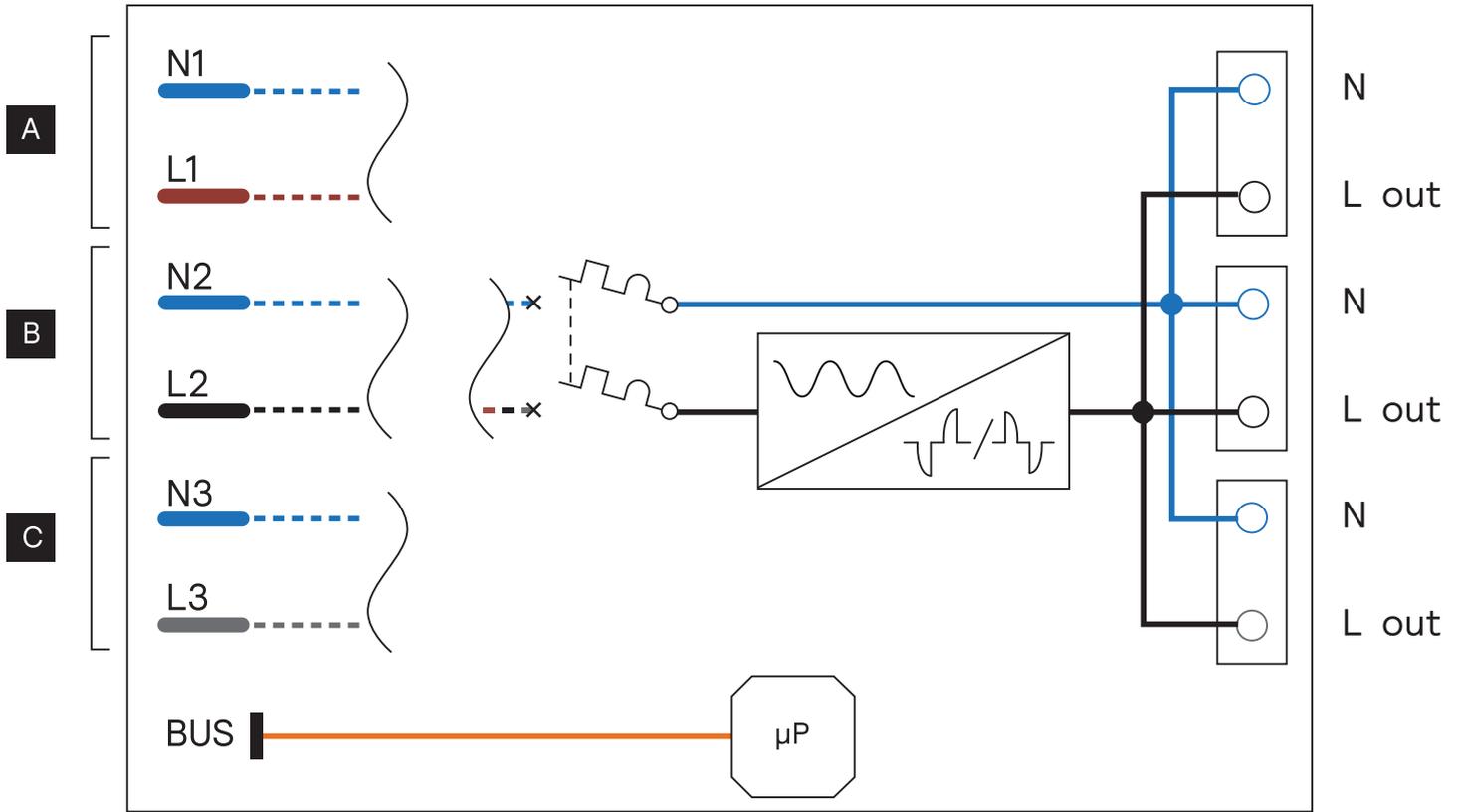
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**Output Channel Ratings**

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

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### Electrical Protection

DMP310GL-CE      3 x 10 A dual pole C-curve circuit breaker  
(IEC approved)

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)

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### Control

Control Channel Outputs      3 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

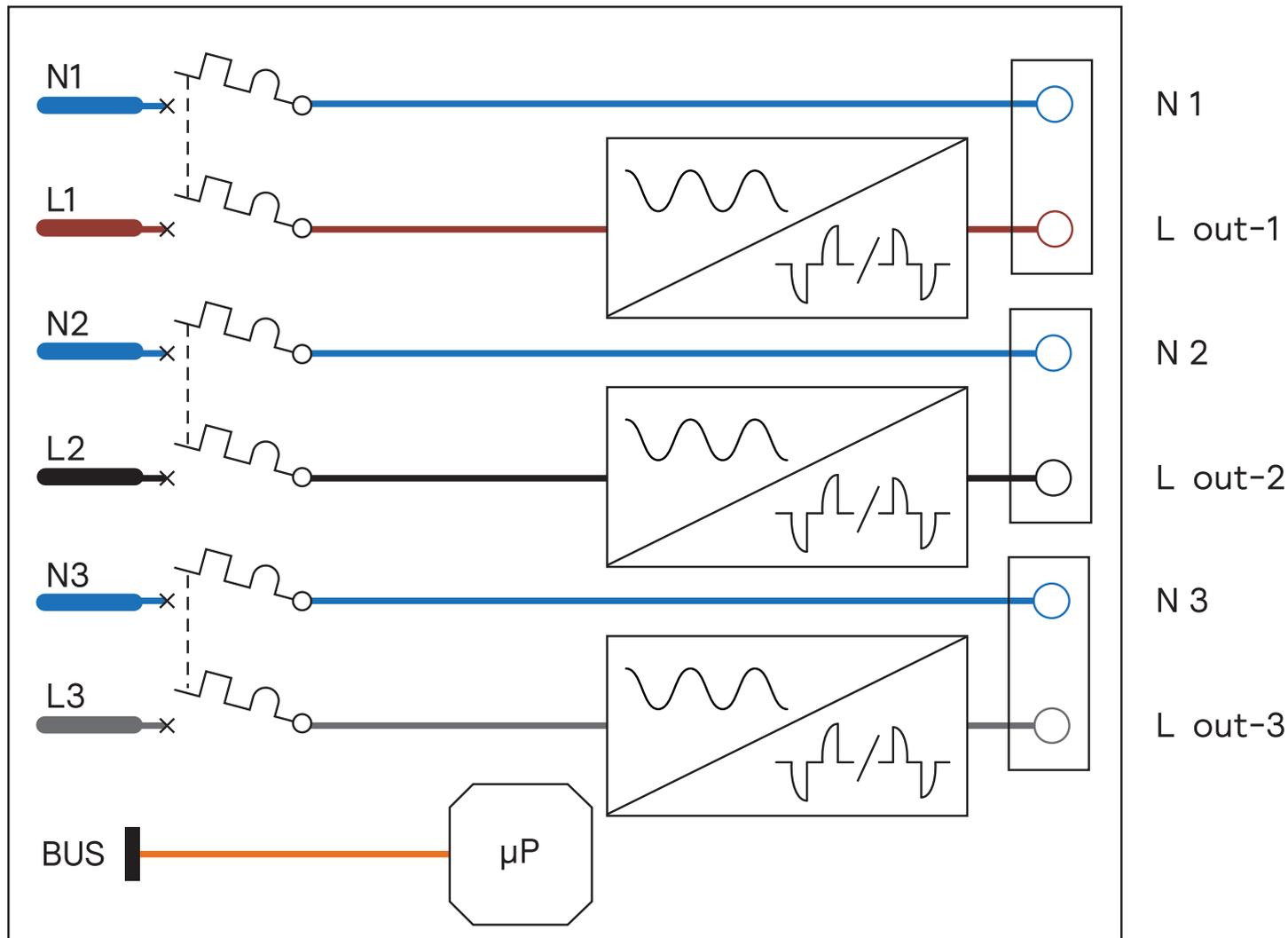
Terminal Conductor Size      16 mm<sup>2</sup> (#6 AWG) (max)

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## Output Channel Ratings

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

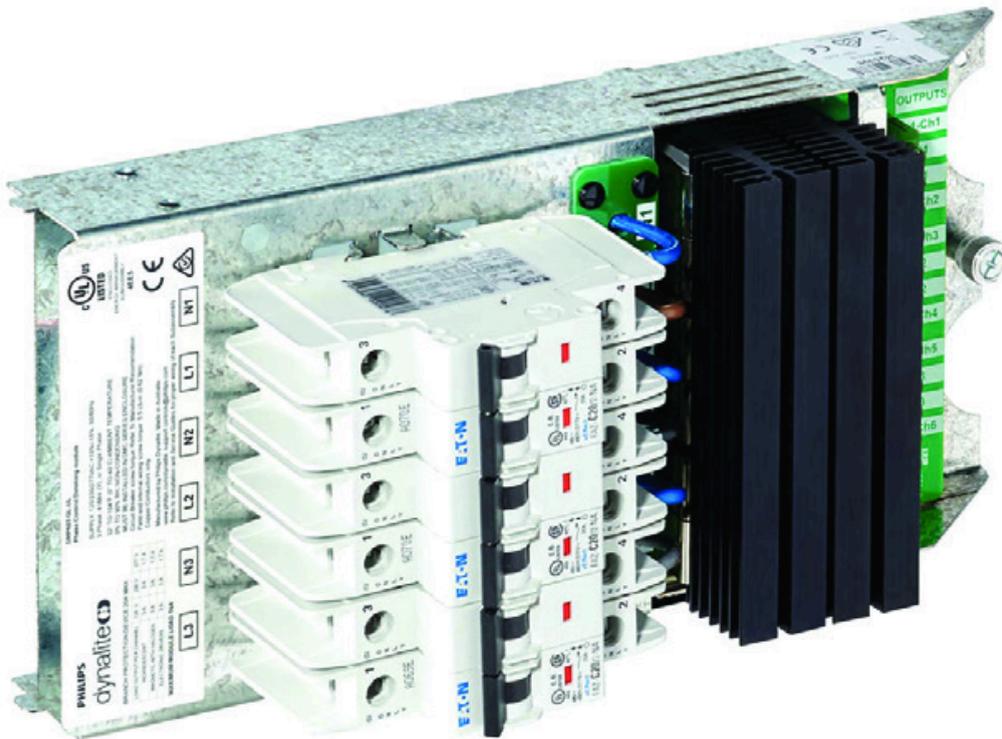
# DMP603GL

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

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### Electrical Protection

DMP603GL-CE 6 x 10 A dual pole C-curve circuit breaker  
(IEC approved)

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)

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### Control

Control Channel Outputs 6 x leading/trailing edge dimming

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### Physical

Packed Weight 2.3 kg (5.07 lb)

Output Terminals 3 x 4-way screw terminal

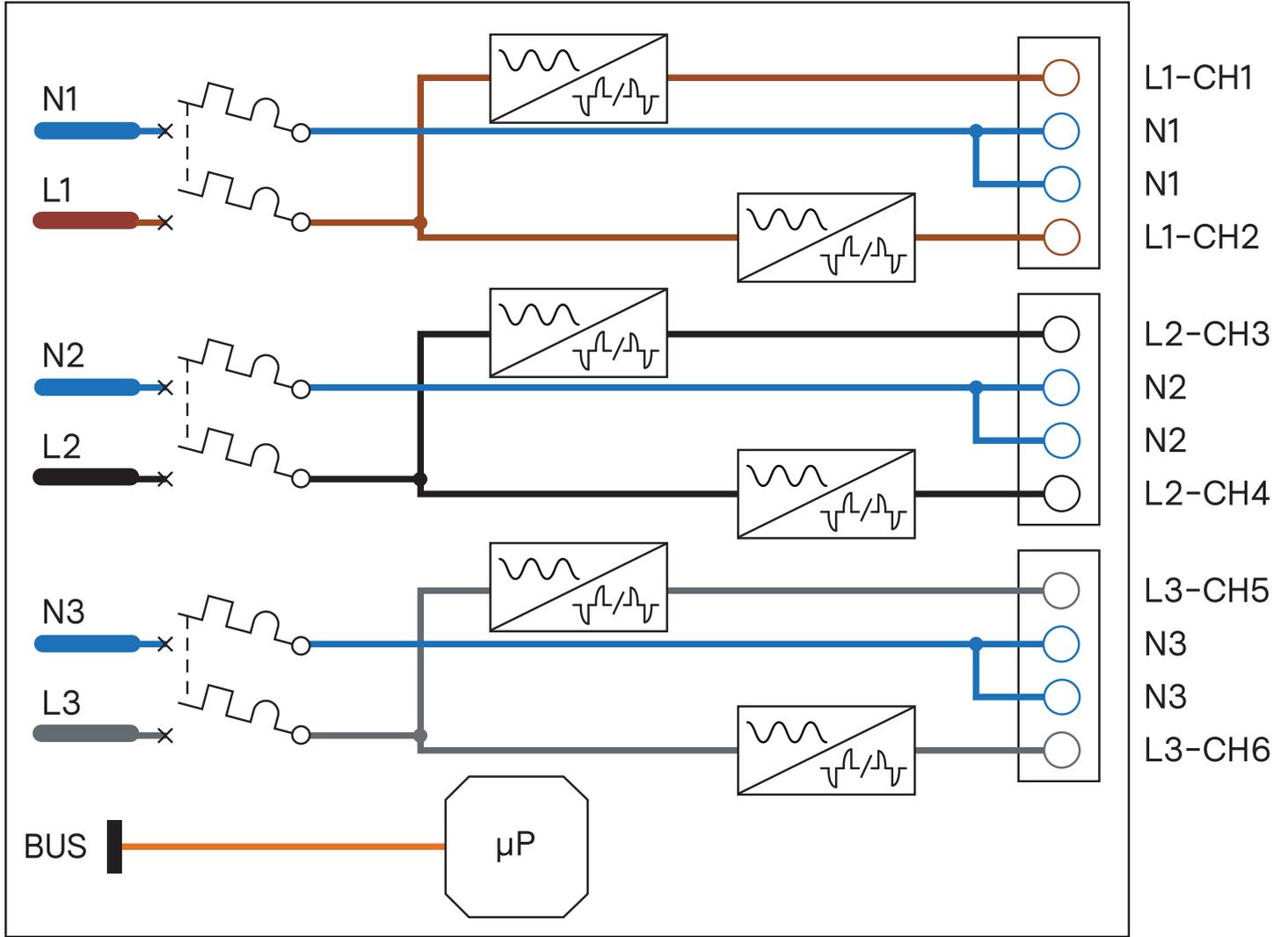
Terminal Conductor Size 16 mm<sup>2</sup> (#6 AWG) (max)

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## Output Channel Ratings

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

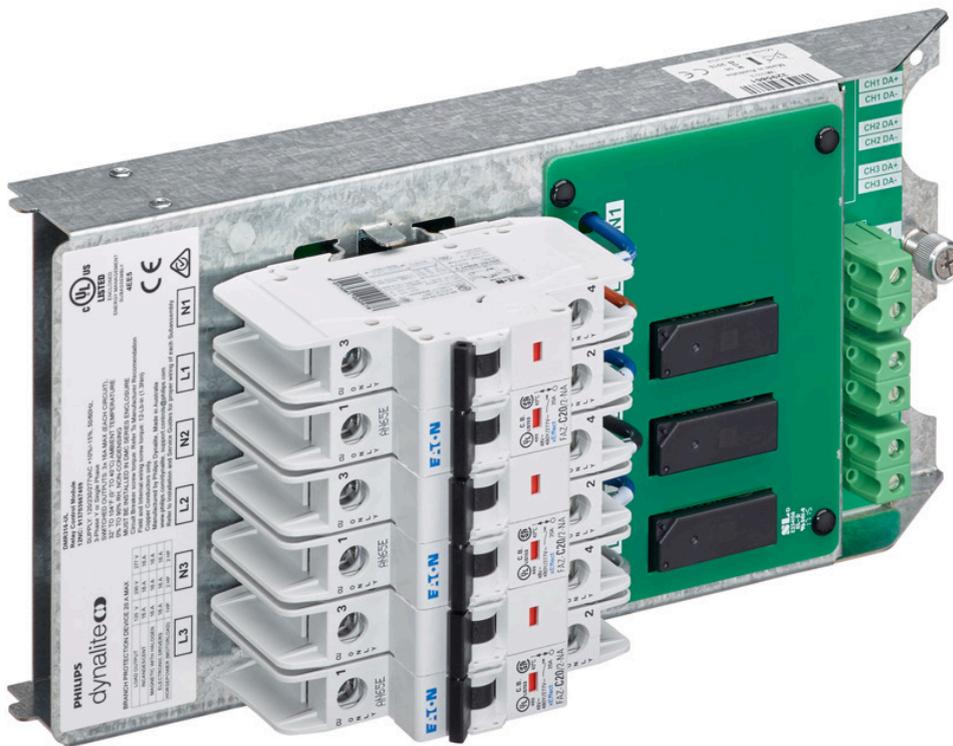
# DMR310 & DMR316

DMC2/DMC4 Relay Control Module



## Specification Sheet

Controllers > DMC Modules



### Three-channel switching control

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

## Specifications

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### Electrical Protection

DMR310-CE	3 x 10 A dual pole C-curve circuit breaker (IEC approved)
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DMR310-RCBO-CE	3 x 10 A C-curve RCBO (IEC approved)
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DMR316-CE	3 x 16 A dual pole C-curve circuit breaker (IEC approved)
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DMR316-RCBO-CE	3 x 16 A C-curve RCBO (IEC approved)
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DMR316-UL	3 x 20 A dual pole C-curve circuit breaker (UL489 listed)
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### Control

Control Channel Outputs	3 x relay
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### Physical

Packed Weight	1.7 kg (3.75 lb)
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Output Terminals	3 x 2-way screw terminal
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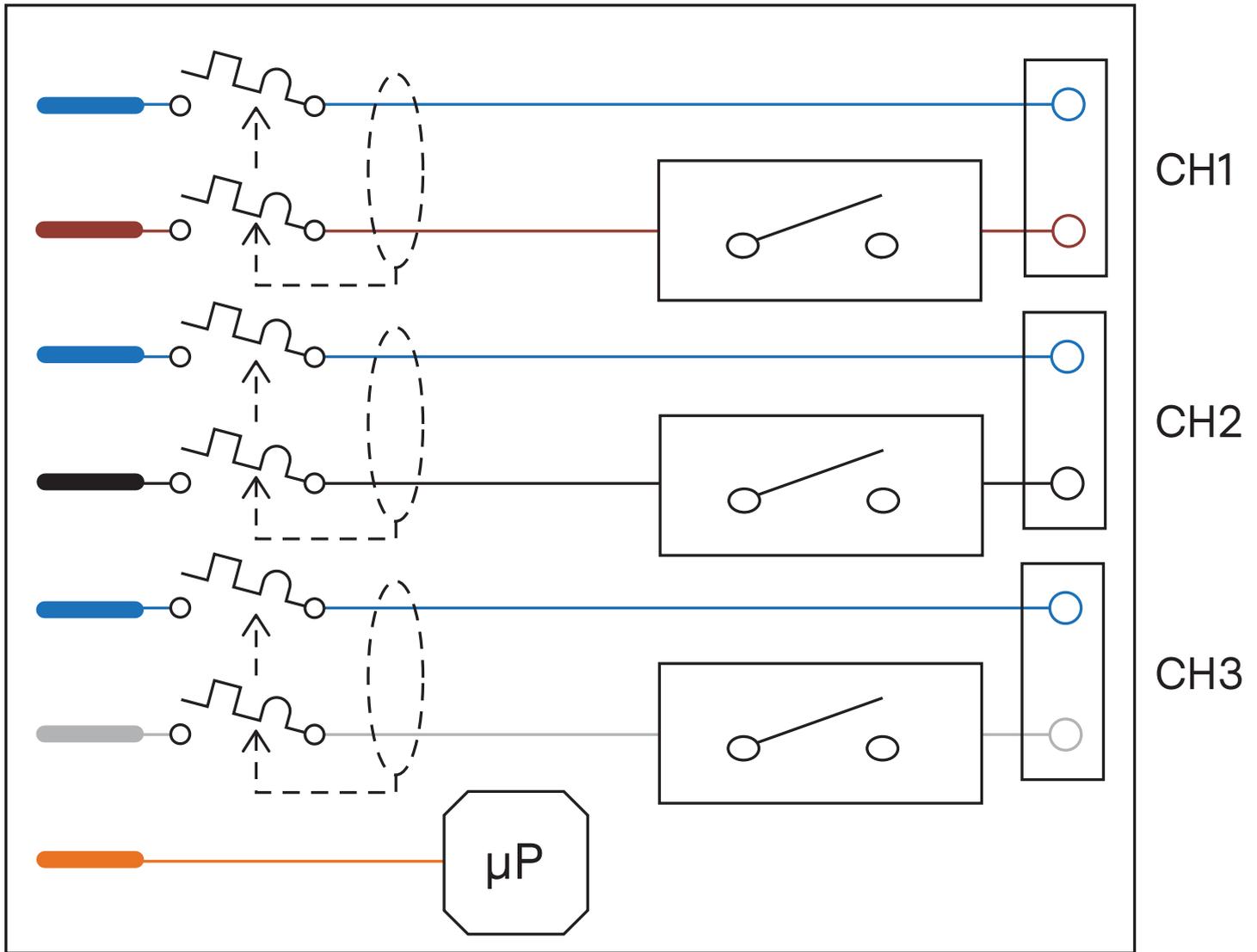
Terminal Conductor Size	16 mm <sup>2</sup> (#6 AWG) (max)
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## Output Channel Ratings

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

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### Electrical Protection

DMR610GL-CE 6 x 16 A dual pole C-curve circuit breaker (IEC approved)

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)

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### Control

Control Channel Outputs 6 x relay

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### Physical

Packed Weight 1.9 kg (4.19 lb)

Output Terminals 3 x 4-way screw terminal

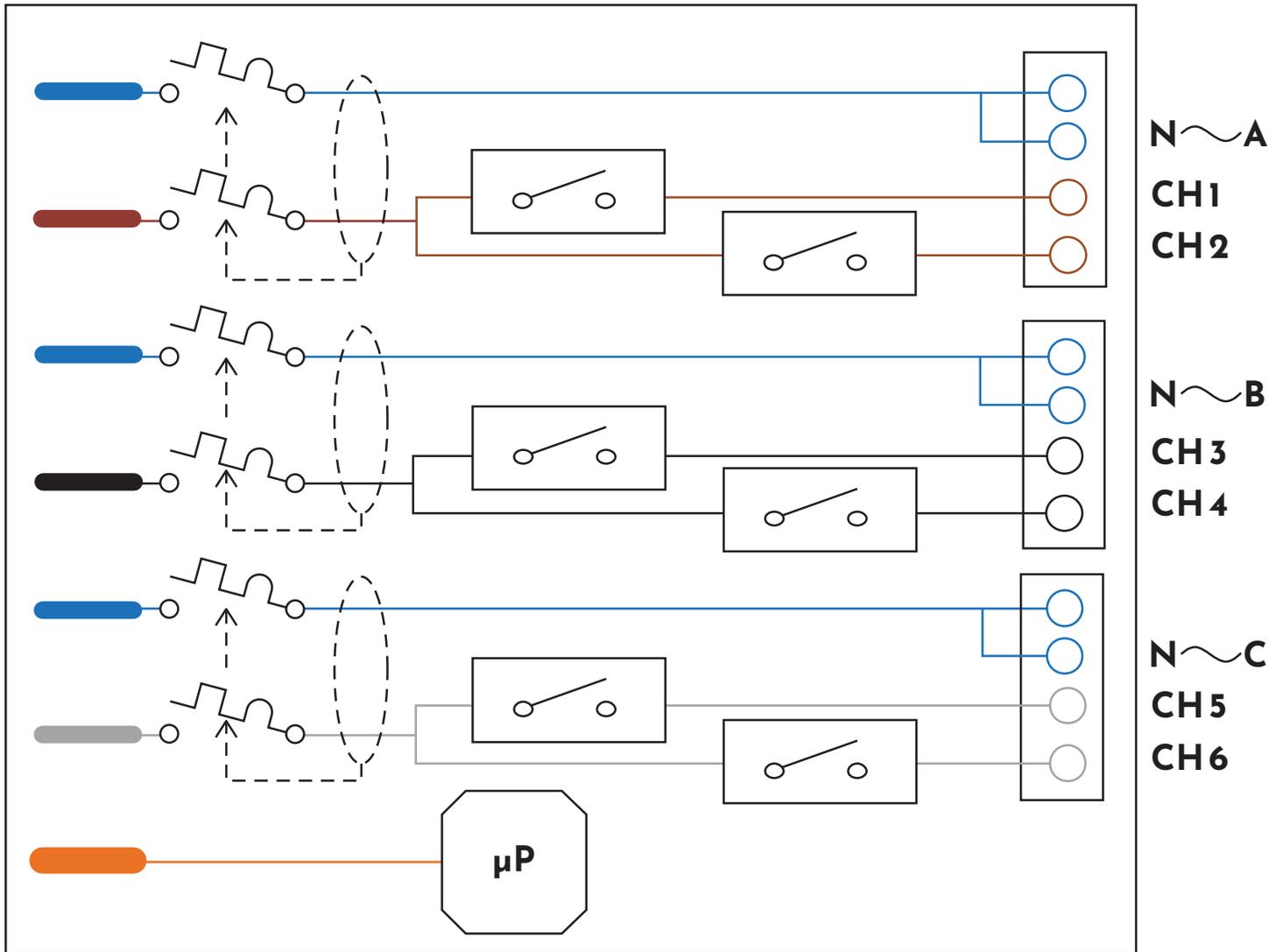
Terminal Conductor Size  $\leq 5 \text{ mm}^2$  (#10+ AWG)

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**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
<b>Maximum Group Load</b>	
CH1-CH2, CH3-CH4, CH5-CH6	<b>Continuous Current:</b> ≤10 A
<b>Total Module Load</b>	
≤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

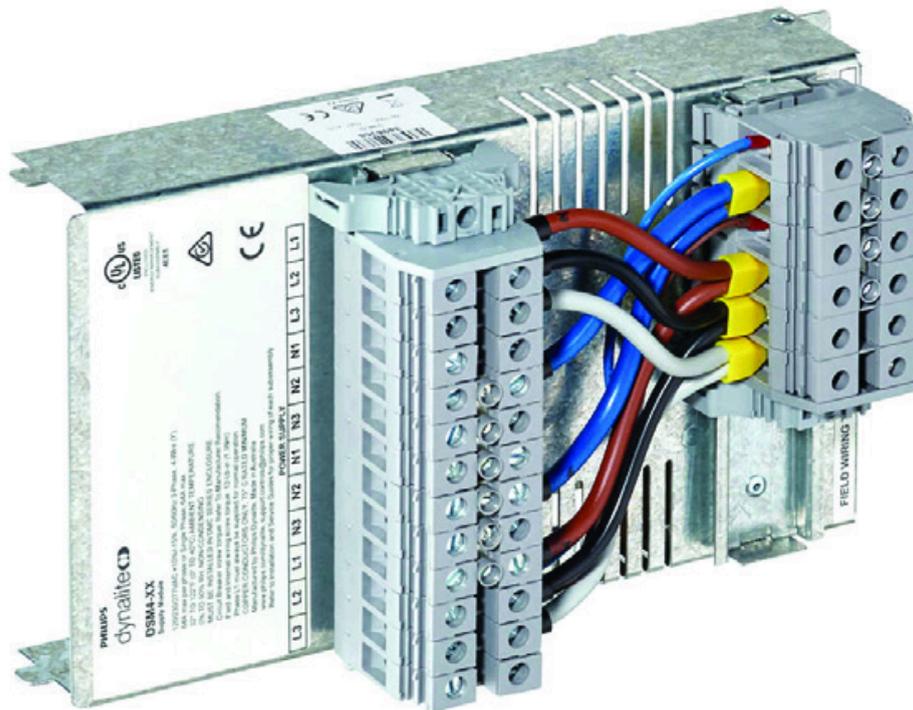
# DSM4

DMC4 Supply Module



## Specification Sheet

Controllers > DMC Modules



### Single-Phase or Three-Phase power for the DMC4

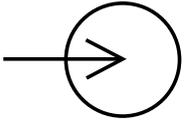
Refer to the DMC4 Specification Sheet for more information.

## Specifications

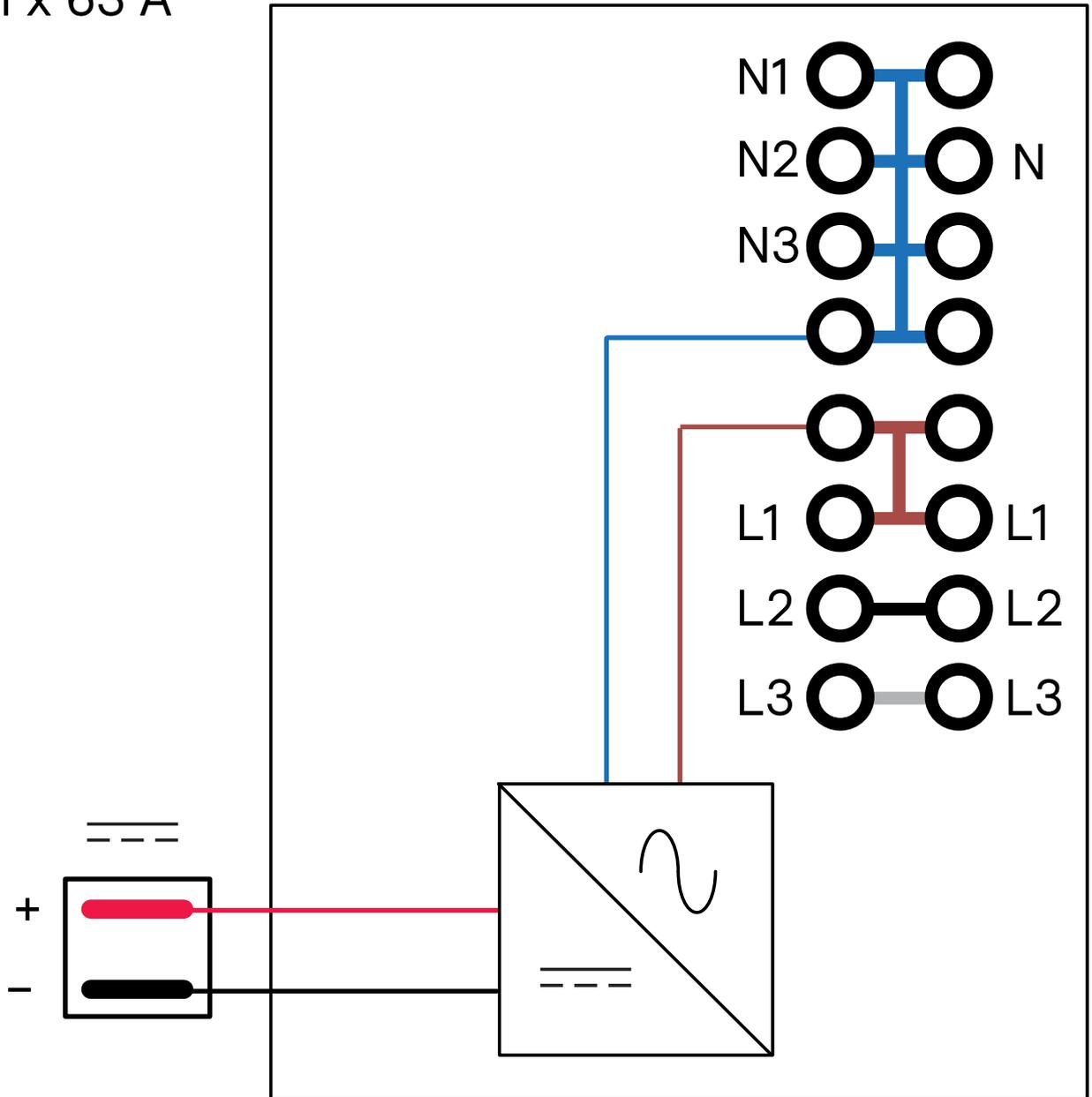
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Electrical		Physical	
Supply Type	Single-phase Three-phase, four wire (A)	Supply Terminals	4 x screw terminal (L1, L2, L3, Neutral) (Earth link bar provided)
Single-Phase Supply	120/230/277 VAC @ 63 A	Supply Terminal Conductor Size	16 mm <sup>2</sup> (#6 AWG) (max)
Three-Phase Supply	120/230/277 VAC (±10%) @ 63 A/phase		
IEC Overvoltage Category	III		

Electrical Drawing



3 ~ 120/230/277 V ~ ± 10% 3 x 63 A  
 1 ~ 1 x 63 A



Ordering Codes

Product	12NC
DSM4 DMC4 Supply module (Also suitable for UKCA markets)	913703668009