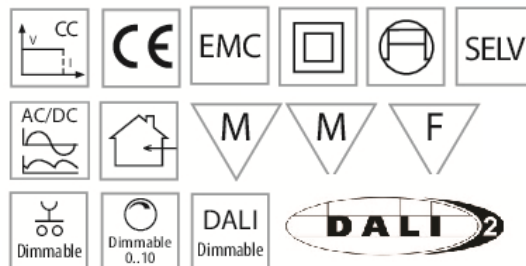


PUL – DALI/0-10V/PUSH DIMMABLE – MULTICURRENT

Constant current dimmable LED driver / Alimentatore dimmerabile per LED a corrente costante



Part number Codice prodotto	P out W @230V	Load LED @230V Min Max		I out	λ Power Factor	Efficiency @230V	tc °C	Protocol
A40PUL042BEB	42	3	84	250...700mA	0,95	88%	75	0-10 V / PUSH
A40PUL060AEB	61	3	42	800...2000mA	0,95	90%	80	0-10 V / PUSH
A40PUL042BBB	42	3	84	250...700mA	0,95	88%	75	DALI / 0-10 V / PUSH
A40PUL060ABB	61	3	42	800...2000mA	0,95	90%	80	DALI / 0-10 V / PUSH

Features

- IP20 independent LED driver (indoor use)
- Supplied with terminal cover and cable retainer
- Class II protection against electric shock for direct or indirect contact

Caratteristiche

- Alimentatore LED indipendente IP20 (uso interno)
- Fornito di coprimorsetto e serracavo
- Protezione in classe II contro le scosse elettriche per contatti diretti e indiretti

Product weight

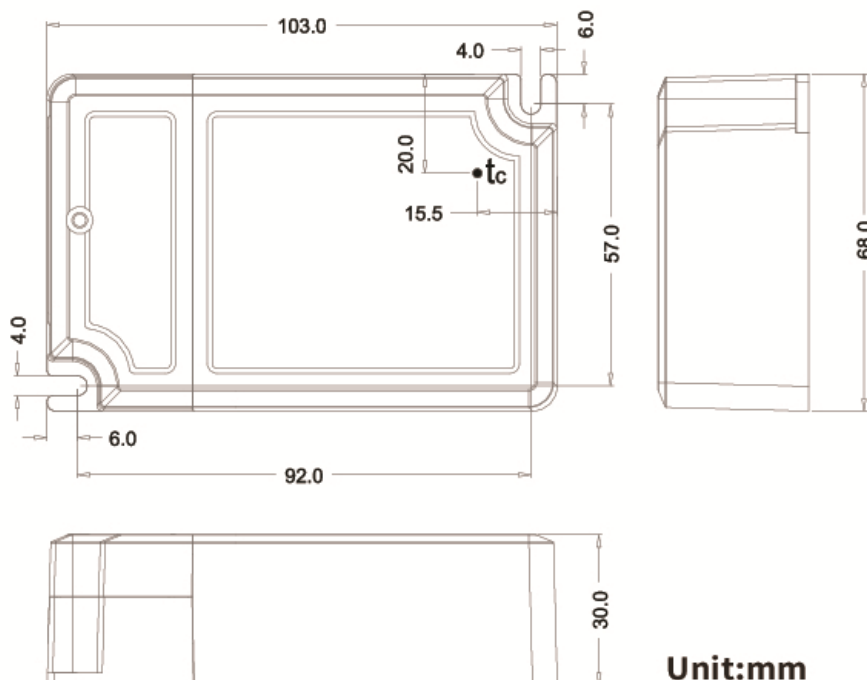
	Only power supply	Power supply + single package
A40PUL042BEB	180 gr.	200 gr.
A40PUL060AEB	170 gr.	180 gr.
A40PUL042BBB	260 gr.	275 gr.
A40PUL060ABB	260 gr.	280 gr.

PUL – DALI/0-10V/PUSH DIMMABLE – MULTICURRENT

Constant current dimmable LED driver / Alimentatore dimmerabile per LED a corrente costante

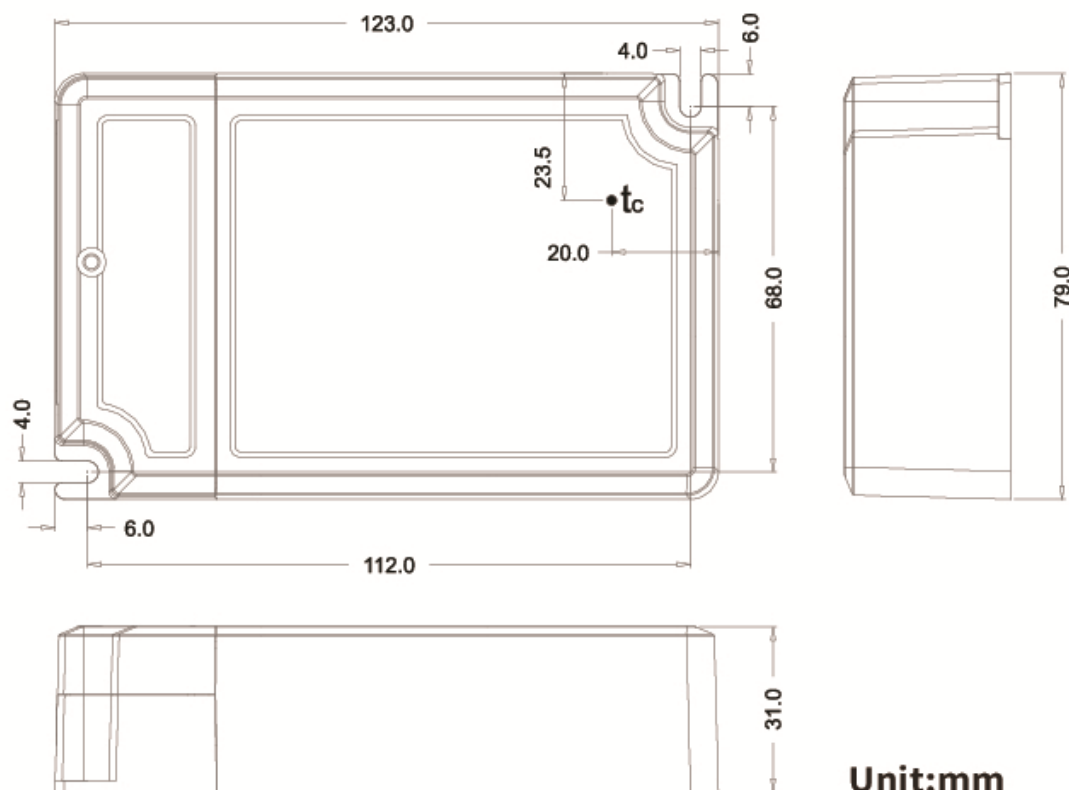
Product dimensions

PUL042



Unit:mm

PUL060



Unit:mm

PUL – DALI/0-10V/PUSH DIMMABLE – MULTICURRENT

Constant current dimmable LED driver / Alimentatore dimmerabile per LED a corrente costante

PUL042BEB - 0-10 V / PUSH – Other technical data		
Output type	Constant current	Features
Dimming type	0-10V / PUSH-button	
IP grade	IP20	
Insulation class	Class II	
Nominal input voltage	200-240 VAC 200-240VDC	Input
Input voltage	180-264 VAC 180-264 VDC	
Input voltage shock	<380V AC, 1 h	
Input Current	<0.3 A (AC input)	
Mains frequency	47-63Hz	
Input power factor	>0.95 (230V AC & Full load)	
iTHD	<10% (230VAC, full load)	
Efficiency (typical)	88% (230V AC & full load)	
Inrush current	4.88 A peak, 154us duration (50% Ipeak)	
Start/Switchover/Turn off	<0.6s(AC start), <0.6s(DC start), <0.3s(AC/DC switchover), <0.5s (Turn off)	
Switching cycles	>50000 switching cycles	
Power consumption	Full load (Pmax):42W, No load (Pno): N/A, On stand-by (Psb):<0.5W, Network stand-by (Pnet): N/A	
Output current range	0.25-0.7 A	Output
Output voltage range	3-84 V	
Output power	42W max	
Output current adjustment	DIP S.W (10 levels)	
Output LF current ripple	±1%	
Current accuracy	±2%	
Linear regulation	±1%	
Load regulation	±1%	
No load output voltage	100V	
Flicker-free (typical)	Modulation depth=0.440% (100Hz), Pst LM ≤0.003	
SVM (Stroboscopic effects value)	≤ 0,007	
DALI dimming port	N/A	Control mode
PUSH dimming port	Voltage range:180-264V 50/60Hz	
1-10V 2in1 dimming port	Voltage range:0-10V, interface current consupcion:0.3mA	
Auxiliary power supply	12V ±5% 100mA	
Dimming range	0-100%	
Dimming drive mode	AM (amplitude modulation)	
Operating temperature (Ta)	-20...+45 °C	Environment
Storage temperature/humidity	-40-80° C, 5-85% RH, not condensed	
Case temperature (Tc)	75 °C	
Operating humidity	5%...85% RH, not condensed	
IP grade	IP20	
Acoustic noise	<25dB (30cm; Full load)	

PUL – DALI/0-10V/PUSH DIMMABLE – MULTICURRENT

Constant current dimmable LED driver / Alimentatore dimmerabile per LED a corrente costante

Withstand voltage	I/P-P/P:3750V AC	Safety
Mains surge capability	L-N:2KV	
Insulation resistance	I/P-O/P:100MΩ/500Vdc/25°C/70% RH	
Leakage current	<0.7mA (230V AC & Full load)	
PRI wire preparation	0,75 mm ² / 7-8mm	Standards
SEC wire preparation	0,5-1,5 mm ² / 7-8mm	
Safety standards	EN 61347-1; EN 61347-2:2013	
Performance standard	EN IEC 62384	
EMC standard	EN55015, EN61000-3-2, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11; EN61547	
Surge	L/N-Ground: 2Kv; L-N: 1kV	
RoHs	Complied to 2011/65/EU	
Life time	50000h Tc=85 °C	

Pin	Irated	Voltage	1	2	3	4
23W	250mA	84VDC	--	ON	ON	ON
28W	300mA	84VDC	ON	--	ON	ON
32W	350mA	84VDC	--	--	ON	ON
37W	400mA	84VDC	--	ON	--	ON
41W	450mA	84VDC	--	--	--	ON
46W	500mA	84VDC	ON	ON	ON	--
46W	550mA	76VDC	--	--	ON	--
46W	600mA	70VDC	--	ON	--	--
46W	650mA	64VDC	ON	--	--	--
47W	700mA ★	60VDC	--	--	--	--

★ Current factory setting

-- OFF

PUL – DALI/0-10V/PUSH DIMMABLE – MULTICURRENT

Constant current dimmable LED driver / Alimentatore dimmerabile per LED a corrente costante

PUL060AEB - 0-10 V / PUSH – Other technical data		
Output type	Constant current	Features
Dimming type	0-10V / PUSH-button	
IP grade	IP20	
Insulation class	Class II	
Nominal input voltage	200-240 VAC 200-240VDC	Input
Input voltage	180-264 VAC 180-264 VDC	
Input voltage shock	<380V AC, 1 h	
Input Current	<0.4 A (AC input)	
Mains frequency	47-63Hz	
Input power factor	>0.95 (230V AC & Full load)	
iTHD	<10% (230VAC, full load)	
Efficiency (typical)	90% (230V AC & full load)	
Inrush current	9.51 A peak, 178us duration (50% Ipeak)	
Start/Switchover/Turn off	<0.6s(AC start), <0.6s(DC start), <0.3s(AC/DC switchover), <0.5s (Turn off)	
Switching cycles	>50000 switching cycles	
Power consumption	Full load (Pmax):61,2W, No load (Pno): N/A, On stand-by (Psb):<0.5W, Network stand-by (Pnet): N/A	
Output current range	0.8-2.0 A	Output
Output voltage range	3-42 V	
Output power	61,2W max	
Output current adjustment	DIP S.W (10 levels)	
Output LF current ripple	±1%	
Current accuracy	±2%	
Linear regulation	±1%	
Load regulation	±1%	
No load output voltage	50V	
Flicker-free (typical)	Modulation depth=0.183% (100Hz), Pst LM ≤0.002	
SVM (Stroboscopic effects value)	≤ 0,006	
DALI dimming port	N/A	Control mode
PUSH dimming port	Voltage range:180-264V 50/60Hz	
1-10V 2in1 dimming port	Voltage range:0-10V, interface current consupcion:0.3mA	
Auxiliary power supply	12V ±5% 100mA	
Dimming range	0-100%	
Dimming drive mode	AM (amplitude modulation)	
Operating temperature (Ta)	-20...+45 °C	Environment
Storage temperature/humidity	-40-80° C, 5-85% RH, not condensed	
Case temperature (Tc)	80 °C	
Operating humidity	5%...85% RH, not condensed	
IP grade	IP20	
Acoustic noise	<25dB (30cm; Full load)	

PUL – DALI/0-10V/PUSH DIMMABLE – MULTICURRENT

Constant current dimmable LED driver / Alimentatore dimmerabile per LED a corrente costante

Withstand voltage	I/P-P/P:3750V AC	Safety
Mains surge capability	L-N:2KV	
Insulation resistance	I/P-O/P:100MΩ/500Vdc/25°C/70% RH	
Leakage current	<0.7mA (230V AC & Full load)	
PRI wire preparation	0,75 mm ² / 7-8mm	Standards
SEC wire preparation	0,5-1,5 mm ² / 7-8mm	
Safety standards	EN 61347-1; EN 61347-2:2013	
Performance standard	EN IEC 62384	
EMC standard	EN55015, EN61000-3-2, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11; EN61547	
Surge	L/N-Ground: 2Kv; L-N: 1kV	
RoHs	Complied to 2011/65/EU	
Life time	50000h Tc=85 °C	

Pin	Irated	Voltage	1	2	3	4	5	6
38W	800mA	42VDC	ON	--	ON	--	ON	ON
43W	900mA	42VDC	--	--	--	--	--	ON
47W	1000mA	42VDC	ON	ON	ON	--	ON	--
52W	1100mA	42VDC	--	ON	ON	--	ON	--
54W	1150mA	42VDC	--	--	--	--	ON	--
56W	1200mA	42VDC	--	ON	ON	ON	--	--
59W	1250mA	42VDC	ON	--	ON	ON	--	--
61W	1300mA	42VDC	--	--	ON	ON	--	--
65W	1400mA	42VDC	--	ON	--	ON	--	--
68W	1500mA	40VDC	--	--	--	ON	--	--
69W	1600mA	38VDC	ON	ON	ON	--	--	--
69W	1700mA	36VDC	--	--	ON	--	--	--
69W	1800mA	34VDC	--	ON	--	--	--	--
69W	1900mA	32VDC	ON	--	--	--	--	--
69W	2000mA ★	30VDC	--	--	--	--	--	--

★ Current factory setting

-- OFF

PUL – DALI/0-10V/PUSH DIMMABLE – MULTICURRENT

Constant current dimmable LED driver / Alimentatore dimmerabile per LED a corrente costante

PUL042BBB – DALI / 0-10V / PUSH - Other technical data		
Output type	Constant current	Features
Dimming type	DALI-2 / 0-10V / PUSH-button	
IP grade	IP20	
Insulation class	Class II	
Nominal input voltage	200-240 VAC 200-240VDC	Input
Input voltage	180-264 VAC 180-264 VDC	
Input voltage shock	<380V AC, 1 h	
Input Current	<0.3 A (AC input)	
Mains frequency	47-63Hz	
Input power factor	>0.95 (230V AC & Full load)	
iTHD	<10% (230VAC, full load)	
Efficiency (typical)	88% (230V AC & full load)	
Inrush current	4.88 A peak, 154us duration (50% Ipeak)	
Start/Switchover/Turn off	<0.6s(AC start), <0.6s(DC start), <0.3s(AC/DC switchover), <0.5s (Turn off)	
Switching cycles	>50000 switching cycles	
Power consumption	Full load (Pmax):42W, No load (Pno): N/A, On stand-by (Psb):<0.5W, Network stand-by (Pnet): N/A	
Output current range	0.25-0.7 A	Output
Output voltage range	3-84 V	
Output power	42W max	
Output current adjustment	DIP S.W (10 levels)	
Output LF current ripple	±1%	
Current accuracy	±2%	
Linear regulation	±1%	
Load regulation	±1%	
No load output voltage	100V	
Flicker-free (typical)	Modulation depth=0.440% (100Hz), Pst LM ≤0.003	
SVM (Stroboscopic effects value)	≤ 0,007	
DALI dimming port	Voltage range: 9.5-22.5V, typical 16V, interface current consumption: 1.8mA	Control mode
PUSH dimming port	Voltage range:180-264V 50/60Hz	
1-10V 2in1 dimming port	Voltage range:0-10V, interface current consumption:0.3mA	
Auxiliary power supply	N/A	
Dimming range	0-100%	
Dimming drive mode	AM (amplitude modulation)	
Operating temperature (Ta)	-20...+45 °C	Environment
Storage temperature/humidity	-40-80° C, 5-85% RH, not condensed	
Case temperature (Tc)	75 °C	
Operating humidity	5%...85% RH, not condensed	
IP grade	IP20	
Acoustic noise	<25dB (30cm; Full load)	

PUL – DALI/0-10V/PUSH DIMMABLE – MULTICURRENT

Constant current dimmable LED driver / Alimentatore dimmerabile per LED a corrente costante

Withstand voltage	I/P-P/P:3750V AC, I/P-DALI:500V AC	Safety
Mains surge capability	L-N:2KV	
Insulation resistance	I/P-O/P:100MΩ/500Vdc/25°C/70% RH	
Leakage current	<0.7mA (230V AC & Full load)	
PRI wire preparation	0,75 mm ² / 7-8mm	Standards
SEC wire preparation	0,5-1,5 mm ² / 7-8mm	
Safety standards	EN 61347-1; EN 61347-2:2013	
Performance standard	EN IEC 62384	
EMC standard	EN55015, EN61000-3-2, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11; EN61547	Standards
DALI-2 standards	IEC 62386-101(DALI-2), IEC 62386-102(DALI-2), IEC 62386-207(DALI-2)	
RoHs	Complied to 2011/65/EU	
Life time	50000h Tc=85 °C	

Pin	Irated	Voltage	1	2	3	4
23W	250mA	84VDC	--	ON	ON	ON
28W	300mA	84VDC	ON	--	ON	ON
32W	350mA	84VDC	--	--	ON	ON
37W	400mA	84VDC	--	ON	--	ON
41W	450mA	84VDC	--	--	--	ON
46W	500mA	84VDC	ON	ON	ON	--
46W	550mA	76VDC	--	--	ON	--
46W	600mA	70VDC	--	ON	--	--
46W	650mA	64VDC	ON	--	--	--
47W	700mA ★	60VDC	--	--	--	--

★ Current factory setting
 -- OFF

PUL – DALI/0-10V/PUSH DIMMABLE – MULTICURRENT

Constant current dimmable LED driver / Alimentatore dimmerabile per LED a corrente costante

PUL042BBB - DALI / 0-10V / PUSH - Other technical data		
Output type	Constant current	Features
Dimming type	DALI-2 / 0-10V / PUSH-button	
IP grade	IP20	
Insulation class	Class II	
Nominal input voltage	200-240 VAC 200-240VDC	Input
Input voltage	180-264 VAC 180-264 VDC	
Input voltage shock	<380V AC, 1 h	
Input Current	<0.4 A (AC input)	
Mains frequency	47-63Hz	
Input power factor	>0.95 (230V AC & Full load)	
iTHD	<10% (230VAC, full load)	
Efficiency (typical)	90% (230V AC & full load)	
Inrush current	9.51 A peak, 178us duration (50% Ipeak)	
Start/Switchover/Turn off	<0.6s(AC start), <0.6s(DC start), <0.3s(AC/DC switchover), <0.5s (Turn off)	
Switching cycles	>50000 switching cycles	
Power consumption	Full load (Pmax):61.2W, No load (Pno): N/A, On stand-by (Psb):<0.5W, Network stand-by (Pnet): N/A	
Output current range	0.8-2.0 A	Output
Output voltage range	3-42 V	
Output power	61.2W max	
Output current adjustment	DIP S.W (10 levels)	
Output LF current ripple	±1%	
Current accuracy	±2%	
Linear regulation	±1%	
Load regulation	±1%	
No load output voltage	50V	
Flicker-free (typical)	Modulation depth=0.183% (100Hz), Pst LM ≤0.002	
SVM (Stroboscopic effects value)	≤ 0,006	
DALI dimming port	Voltage range: 9.5-22.5V, typical 16V, interface current consumption: 1.8mA	Control mode
PUSH dimming port	Voltage range:180-264V 50/60Hz	
1-10V 2in1 dimming port	Voltage range:0-10V, interface current consumption:0.3mA	
Auxiliary power supply	N/A	
Dimming range	0-100%	
Dimming drive mode	AM (amplitude modulation)	
Operating temperature (Ta)	-20...+45 °C	Environment
Storage temperature/humidity	-40-80° C, 5-85% RH, not condensed	
Case temperature (Tc)	80 °C	
Operating humidity	5%...85% RH, not condensed	
IP grade	IP20	
Acoustic noise	<25dB (30cm; Full load)	

PUL – DALI/0-10V/PUSH DIMMABLE – MULTICURRENT

Constant current dimmable LED driver / Alimentatore dimmerabile per LED a corrente costante

Withstand voltage	I/P-P/P:3750V AC, I/P-DALI:500V AC	Safety
Mains surge capability	L-N:2KV	
Insulation resistance	I/P-O/P:100MΩ/500Vdc/25°C/70% RH	
Leakage current	<0.7mA (230V AC & Full load)	
PRI wire preparation	0,75 mm ² / 7-8mm	Standards
SEC wire preparation	0,5-1,5 mm ² / 7-8mm	
Safety standards	EN 61347-1; EN 61347-2:2013	
Performance standard	EN IEC 62384	
EMC standard	EN55015, EN61000-3-2, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11; EN61547	Standards
DALI-2 standards	IEC 62386-101(DALI-2), IEC 62386-102(DALI-2), IEC 62386-207(DALI-2)	
RoHs	Complied to 2011/65/EU	
Life time	50000h Tc=85 °C	

Pin	Irated	Voltage	1	2	3	4	5	6
38W	800mA	42VDC	ON	--	ON	--	ON	ON
43W	900mA	42VDC	--	--	--	--	--	ON
47W	1000mA	42VDC	ON	ON	ON	--	ON	--
52W	1100mA	42VDC	--	ON	ON	--	ON	--
54W	1150mA	42VDC	--	--	--	--	ON	--
56W	1200mA	42VDC	--	ON	ON	ON	--	--
59W	1250mA	42VDC	ON	--	ON	ON	--	--
61W	1300mA	42VDC	--	--	ON	ON	--	--
65W	1400mA	42VDC	--	ON	--	ON	--	--
68W	1500mA	40VDC	--	--	--	ON	--	--
69W	1600mA	38VDC	ON	ON	ON	--	--	--
69W	1700mA	36VDC	--	--	ON	--	--	--
69W	1800mA	34VDC	--	ON	--	--	--	--
69W	1900mA	32VDC	ON	--	--	--	--	--
69W	2000mA ★	30VDC	--	--	--	--	--	--

★ Current factory setting

-- OFF