

Steuerungen

43LED/55-9DALI



technische Daten

Typ	Ausgangsstrom	Eingangsstrom	Eingangsleistung	Ausgangsleistungsbereich	PF	Wirkungsgrad	Ausgangsspannung
43LED/55-9DALI	300mA	X	X	2,7-17W	X	X	9-58V
43LED/55-9DALI	350mA	X	X	3-20W	X	X	9-58V
43LED/55-9DALI	400mA	X	X	3,6-23W	X	X	9-58V
43LED/55-9DALI	450mA	X	X	4-16W	X	X	9-58V
43LED/55-9DALI	500mA	X	X	4,5-29W	X	X	9-58V
43LED/55-9DALI	550mA	X	X	5-30W	X	X	9-55V
43LED/55-9DALI	600mA	X	X	5,4-30W	X	X	9-50V
43LED/55-9DALI	650mA	X	X	5,8-30W	X	X	9-46V
43LED/55-9DALI	700mA	X	X	6,3-30W	X	X	9-42V
43LED/55-9DALI	750mA	X	X	6,7-30W	X	X	9-40V
43LED/55-9DALI	800mA	X	X	7,2-30W	X	X	9-38V
43LED/55-9DALI	850mA	X	X	7,6-30W	X	X	9-35V
43LED/55-9DALI	900mA	0.185A	36W	8,1-31W	0.9	86%	9-35V

Merkmale	Ausgangstyp	Konstantstrom
	Dimmtyp	1-10V Dimmung
	Dimmbereich	Primäre PUSH & DALI Dimmung: 0% - 100% 1-10V Dimmung: 2&-100%
	IP Grad	IP20
	Isolationsklasse	Klasse II
Eingang	Nenneingangsspannung	220-240VAC
	Bereich der Eingangsspannung	198-264VAC
	Frequenz	50/60Hz
	Eingangsstrom	≤0.185A, 230VAC, Vollast
	Eingangsleistung	≤36W, 230VAC, Vollast
	Leistungsfaktor	≥0.90, 230VAC, Vollast
	THD	≤20%, 230VAC, Vollast
	Standby-Leistung	≤0.5W, 230VAC wenn PUSH oder DALI ausgeschaltet werden
	Einschaltstrom	<8A halbe Stromimpulsbreite 50us, Vollast
	Angeschlossene Menge von 16A Unterbrecher	60 Stück/Typ B / 100 Stück/Typ C @230VAC
Ausgang	Restwelligkeitsanforderungen	Flimmern weniger als 2% für den gesamten Dimmbereich
	Ausgangsspannungsbereich	9-58VDC
	Spannung ohne Last	75VDC max.
	Ausgangsstrom	300mA, 350mA, 400mA, 450mA, 500mA (9-58V) 550mA (9-55V) 600mA (9-50V) 650mA (9-46V) 700mA (9-42V) 750mA (9-40V) 800mA (9-38V) 850mA, 900mA (9-35V)
	Konstantstromgenauigkeit	±5%
	max. Ausgangsleistung	30.6W
	Einschaltzeit	<1S (230VAC, Vollast)
	Wirkungsgrad	≥86%, 230VAC, Vollast

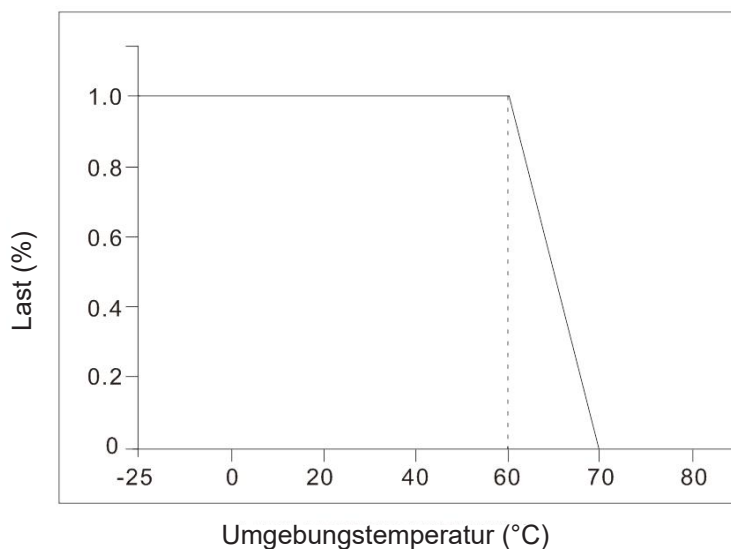
Steuerungen

43LED/55-9DALI



Schutz	Überspannungsschutz am Eingang	300VAC, 50/60Hz, 2 Stunden
	Überspannungsschutz am Ausgang	N/A
	Überlastschutz am Ausgang	Ja
	Ausgang Leerlaufschutz	N/A
	Übertemperaturschutz am Ausgang	Ja, ohne Selbstwiederherstellungsfunktion
	Kurzschlusschutz am Ausgang	Ja, ohne Selbstwiederherstellungsfunktion
	Isolationsspannung	I/P bis O/P, 3KVac/1min
	Isolationswiderstand	>100M ohm @ 500VDC
	Ableitstrom	I/P zu O/P < 250µA
Kontrollmethode	Primäre PUSH-Dimmung	Primäre PUSH-Dimmung (max. Leitungslänge: 20m)
	1-10V (0-10V) Dimmung	1-10V Dimmung (Anschlussstrom<1mA) keine Abschaltfunktion (max. Leitungslänge: 20m)
	Primäre PWM-Dimmung	1-10V Anschluss PWM-Dimmung (3Khz-8Khz)
	DALI Dimmung	DALI Dimmung (max. Leitungslänge: 300m)
	Anschluss Methode	PUSH-IN Terminal
Umgebung	Ta/Betriebstemperatur	-25....+50°C, Luftfeuchtigkeit: 85% (nicht kondensierend)
	Ts/Lagerungstemperatur	-40....+80°C
	Tc/Gehäusetemperatur	85°C
	Atmosphäre	86-108 KPa
Sicherheit & EMC	Zertifizierung	ENEC CE
	Sicherheitsnormen	EN61347-1:2015,EN61347-2-13:2014/A1:2017, EN62493:2015
	EMC-Normen	EN55015:2013/A1:2015,EN61000-3-2:2014, EN 61000-3-3:2013,EN61547:2009
	DALI-Norm	IEC62386-102, IEC62386-207
	Überspannung	L-N/1KV, L/N-PE/2KV

Grafiken

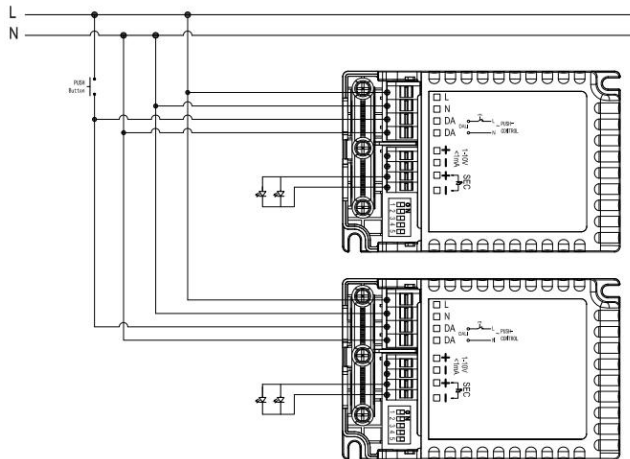


Steuerungen

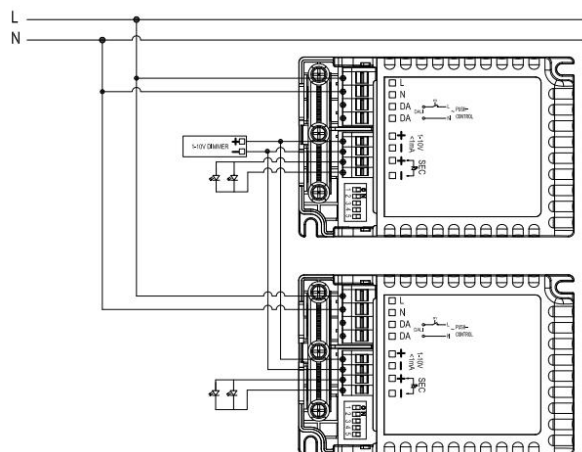
43LED/55-9DALI



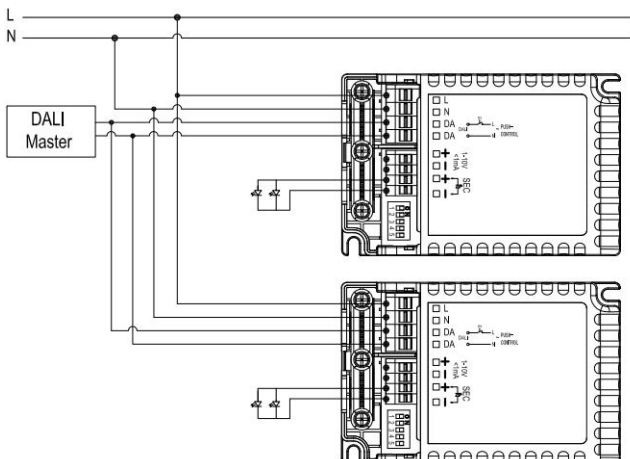
PUSH Diagramm



1-10V Diagramm



DALI Diagramm



Controls

43LED/55-9DALI



technical data

Type	Output current	Input current	Input power	Output power range	PF	Efficiency (typ.)	Output voltage
43LED/55-9DALI	300mA	X	X	2,7-17W	X	X	9-58V
43LED/55-9DALI	350mA	X	X	3-20W	X	X	9-58V
43LED/55-9DALI	400mA	X	X	3,6-23W	X	X	9-58V
43LED/55-9DALI	450mA	X	X	4-16W	X	X	9-58V
43LED/55-9DALI	500mA	X	X	4,5-29W	X	X	9-58V
43LED/55-9DALI	550mA	X	X	5-30W	X	X	9-55V
43LED/55-9DALI	600mA	X	X	5,4-30W	X	X	9-50V
43LED/55-9DALI	650mA	X	X	5,8-30W	X	X	9-46V
43LED/55-9DALI	700mA	X	X	6,3-30W	X	X	9-42V
43LED/55-9DALI	750mA	X	X	6,7-30W	X	X	9-40V
43LED/55-9DALI	800mA	X	X	7,2-30W	X	X	9-38V
43LED/55-9DALI	850mA	X	X	7,6-30W	X	X	9-35V
43LED/55-9DALI	900mA	0.185A	36W	8,1-31W	0.9	86%	9-35V

Features	Output type	Constant current
	Dimming Type	1-10V dimming
	Dimming Range	Primary PUSH & DALI dimming: 0% - 100% 1-10V dimming: 2%-100%
	IP Grade	IP20
	Insulation class	Class II
Input	Rated input voltage	220-240VAC
	Range of input voltage	198-264VAC
	Frequency	50/60Hz
	Input Current	≤0.185A, 198VAC, full Load
	Input Power	≤36W, 230VAC, full Load
	Power factor	≥0.90, 230VAC, full Load
	THD	≤20%, 230VAC, full Load
	Standby Power	≤0.5W, 230VAC when PUSH or DALI turn off
	Inrush current	<8A half current pulse width 50us, 230VAC
	Connected quantity of 16A breaker	60 pieces/type B / 100 pieces/type C @230VAC
Output	Ripple requirement	flicker valueless than 2% for whole dimming range
	Output voltage range	9-58VDC
	no load Voltage	75VDC max.
	Output current	300mA, 350mA, 400mA, 450mA, 500mA (9-58V) 550mA (9-55V) 600mA (9-50V) 650mA (9-46V) 700mA (9-42V) 750mA (9-40V) 800mA (9-38V) 850mA, 900mA (9-35V)
	constant current accuracy	±5%
	max. output Power	30.6W
	Startup Time	<1S (230VAC, full load)
	Efficiency	≥86%, 230VAC, full load

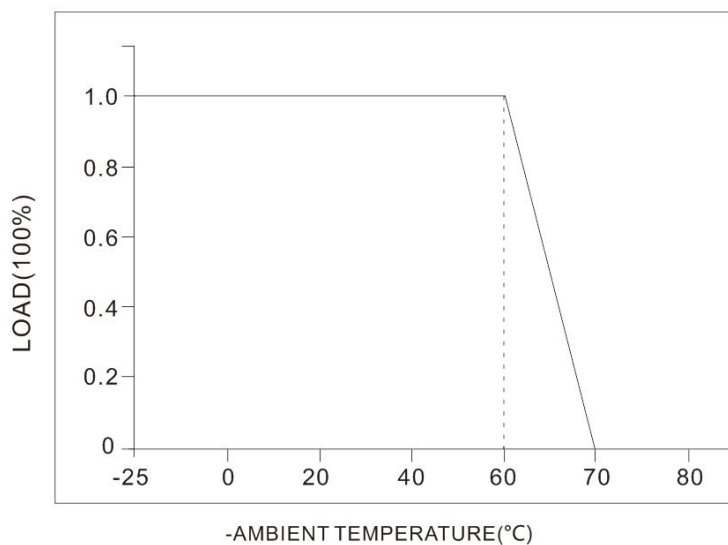
Controls

43LED/55-9DALI



Protection	Input over voltage protection	300VAC, 50/60Hz, 2 hours
	Output over voltage protection	N/A
	Output over load protection	Yes
	Output no load protection	N/A
	Output over temperature protection	Yes, without self recovery function
	Output short circuit protection	Yes, without self recovery function
	Insulation voltage	I/P bis O/P, 3kVac/1min
	Insulation resistance	>100M ohm @ 500VDC
	Leakage current	I/P zu O/P < 250µA
Control Method	Primary PUSH dimming	Primary PUSH dimming (max. lead length: 20m)
	1-10V (0-10V) dimming	1-10V dimming (port current<1mA) no turn off function (max. lead length: 20m)
	Primary PWM dimming	1-10V port PWM dimming (3Khz-8Khz)
	DALI dimming	DALI dimming (max. lead length: 300m)
	Connection Method	PUSH-IN Terminal
Environment	Ta/Operating temperature	-25...+50°C, humidity: 85% (non-condensing)
	Ts/Storage temperature	-40...+80°C
	Tc/Enclosure temperature	85°C
	Atmosphere	86-108 KPa
Security & EMC	Certification	ENEC CE
	Safety standards	EN61347-1:2015, EN61347-2-13:2014/A1:2017, EN62493:2015
	EMC standards	EN55015:2013/A1:2015, EN61000-3-2:2014, EN 61000-3-3:2013, EN61547:2009
	DALI standard	IEC62386-102, IEC62386-207
	Surge	L-N/1KV, L/N-PE/2KV

Graphics

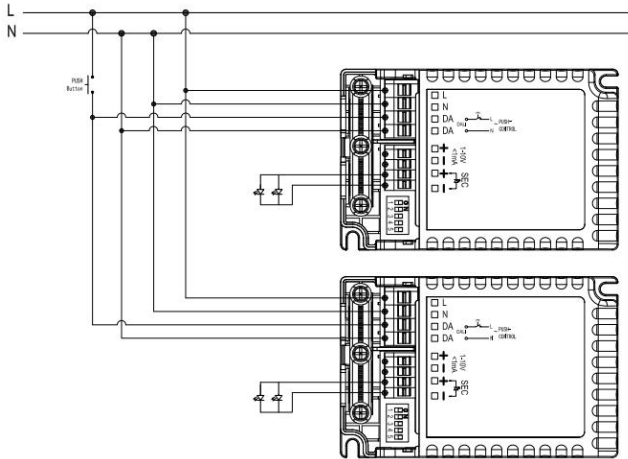


Controls

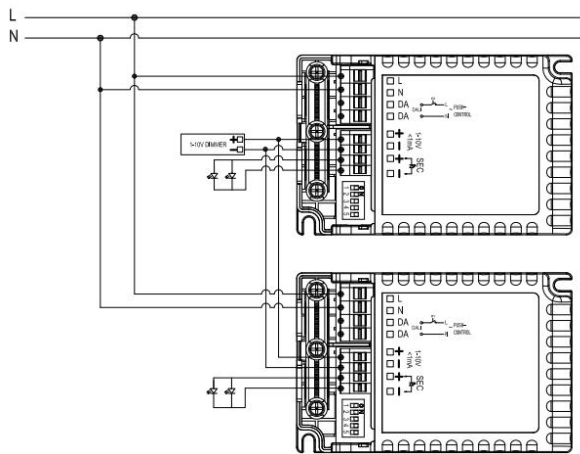
43LED/55-9DALI



PUSH diagram



1-10V diagram



DALI diagram

