

Electronic control gears

Durable and high-quality technology



 made in
germany

eckerle.com

eckerle



Control gears by Eckerle: Hard-wearing and high-quality technology – Made in Germany

Eckerle's portfolio comprises a wide range of electronic controllers, including LED controllers, ballasts for fluorescent lamps and UV applications, as well as electronic lighting control.

- Hard-wearing and high-quality technology – Made in Germany – with a unit service life of more than 100,000 hours under extreme conditions.
- Our development and production under one roof guarantees absolute flexibility.
- 100 ... 305 V far-reach applications for emergency lighting, input voltage ranges from 12 ... 60 V (AC/DC) or control gears for the explosion-risk range.
- Constant current mode and constant voltage mode.

If you have specific requirements, our sales team would be happy to advise you!

LED Control Gear EVD12 330 42 LPG 24



Usage

LED lighting for general lighting, e.g. workplace lighting in the office, lab or production facility

Description

With a power range of max. 13 W, this constant voltage driver offers the optimum operating conditions and thus a maximum service life for your LED applications

Technical data

Special feature: low voltage device

Dimensions [L x W x H in mm]	143 x 22 x 23	SELV	no
Input voltage [V]	20 – 32 VAC/20 – 40 VDC	Assembly	fixing holes
Output voltage [V]	28 – 35	Efficiency [%]	over 90
Output current [mA]	330	Residual ripple [%]	± 30 @ < 100 Hz
Operating mode	constant current	Service life [h]	50,000 @ tc =75°C
Dimming range [%]	–	Protective circuit	no-load protection, short-circuit protection
Temperature range [°C]	-20 to +50	Emergency light	yes
Protection class	SK2	Power [W]	13
Protection class	IP20		
Certification	CE		

LED Control Gear EVD12 700 32 BCG24



Usage

LED lighting for general lighting, e.g. workplace lighting in the office, lab or production facility

Description

With a power range of max. 22 W, this constant voltage driver offers the ideal operating conditions and thus a maximum lifespan for your LED applications

Technical data

Special feature: low voltage device

Dimensions [L x W x H in mm]	104 x 67 x 30	Assembly	fixing holes
Input voltage [V]	20 – 36 VAC/21 – 36 VDC	Efficiency [%]	over 90
Output voltage [V]	15 – 30	Service life [h]	50,000 @ tc = 80°C
Output current [mA]	700	Protective circuit	no-load protection, short-circuit protection
Operating mode	constant current	Emergency light	yes
Dimming range [%]	–	Power [W]	22
Temperature range [°C]	-20 to +50		
Protection class	SK2		
Protection class	IP20		
Certification	CE		
SELV	no		

LED Control Gear EVD12 1050 032 BCG 42

Usage

LED lighting for general lighting, e.g. workplace lighting in the office, lab or production facility

Description

With a power range of max. 30 W, this constant voltage driver offers the ideal operating conditions and thus a maximum lifespan for your LED applications



Technical data

Special feature: temperature monitoring in standby < 1W

Dimensions [L x W x H in mm]	104 x 67 x 30	SELV	no
Input voltage [V]	38 – 46 VAC/38 – 46 VDC	Assembly	fixing holes
Output voltage [V]	15 – 30	Efficiency [%]	over 90
Output current [mA]	1050	Service life [h]	50,000 @ tc = 80°C
Operating mode	constant current	Protective circuit	no-load protection, short-circuit protection
Dimming range [%]	–	Emergency light	yes
Temperature range [°C]	-20 to +50	Power [W]	30
Protection class	SK2		
Protection class	IP20		
Certification	CE		

LED Control Gear EVD12 500 50 BCG42

Usage

LED lighting for general lighting, e.g. workplace lighting in the office, lab or production facility

Description

With a power range of max. 30 W, this constant voltage driver offers the ideal operating conditions and thus a maximum lifespan for your LED applications



Technical data

Special feature: dimming without PWM, temperature monitoring in standby < 1W

Dimensions [L x W x H in mm]	104 x 67 x 30	Assembly	fixing holes
Input voltage [V]	38 – 50 VAC/38 – 52 VDC	Efficiency [%]	over 90
Output voltage [V]	32 – 50	Service life [h]	50,000 @ tc = 80°C
Output current [mA]	700	Protective circuit	no-load protection, short-circuit protection
Operating mode	constant current	Emergency light	yes
Dimming range [%]	–	Power [W]	30
Temperature range [°C]	-20 to +50		
Protection class	SK2		
Protection class	IP20		
Certification	CE		
SELV	no		

LED Control Gear EVD12 1200 024 LOW 100

Usage

LED lighting for general lighting, e.g. workplace lighting in the office, lab or production facility

Description

With a power range of max. 28 W, this constant voltage driver offers the ideal operating conditions and thus a maximum lifespan for your LED applications



Technical data

Special feature: temperature monitoring in standby < 1W

Dimensions [L x W x H in mm]	164 x 28.5 x 32	Assembly	fixing holes
Input voltage [V]	90 – 264 VAC/ 95 – 278 VDC	Burst voltage [kV]	4
Output voltage [V]	24	Shock resistance [kV]	2
Output current [mA]	0 – 1200	Efficiency [%]	over 85
Operating mode	constant voltage	Residual ripple [%]	± 1 @ < 100 Hz
Dimming range [%]	–	Service life [h]	50,000 @ tc = 75°C
Temperature range [°C]	-20 to +65	Protective circuit	no-load protection, short-circuit protection
Protection class	SK1	Emergency light	yes
Protection class	IP20	Power [W]	28
Certification	CE		
SELV	yes		

LED Control Gear

EVD12 4400 024 BKW 110



Usage

LED lighting for industry e.g. machinery, workplace lighting in the office, lab or production facility.

Description

With a power range of max. 100W this constant current driver with a wide input range offers the ideal operating conditions and thus a maximum lifespan for your LED applications.

Technische Daten

Special feature: temperature monitoring

Dimensions [L x W x H in mm]	240 x 46 x 30	SELV	Nein
Input voltage [V]	90-265 VAC/ 90-280 VDC	Assembly	fixing holes
Output voltage [V]	24	Burst voltage [kV]	4
Output current [mA]	0 – 4400	Shock resistance [kV]	2
Operating mode	constant current	Efficiency [%]	over 93
Dimming range [%]	96	Residual ripple [%]	
Temperature range [°C]	-20 to +50	Service life [h]	100.000 @ tc = 65°C
Protection class	SK1	Protective circuit	no-load protection, short-circuit protection
Protection class	IP20	Emergency light	yes
Certification	CE	Power [W]	100

LED Control Gear

EVD12 0175 140 L6G 110



Usage

LED lighting for general lighting, e.g. workplace lighting in the office, lab or production facility

Description

With a power range of max. 25 W, this constant current driver offers the ideal operating conditions and a maximum lifespan for your LED applications. The device is also suitable for emergency lighting applications

Technical data

Special feature: temperature monitoring in standby < 1W

Dimensions [L x W x H in mm]	322 x 28 x 20.5	Assembly	fixing holes
Input voltage [V]	90-264 VAC/ 90-285 VDC	Burst voltage [kV]	4
Output voltage [V]	80 – 140	Shock resistance [kV]	2
Output current [mA]	175	Efficiency [%]	over 90
Operating mode	constant current	Residual ripple [%]	
Dimming range [%]	–	Service life [h]	100,000 @ tc = 65°C
Temperature range [°C]	-20 to +50	Protective circuit	no-load protection, short-circuit protection
Protection class	SK1	Emergency light	yes
Protection class	IP20	Power [W]	25
Certification	CE		
SELV	no		

LED Control Gear

EVD214 0750 380 LRG 230



Usage

LED lighting for industry, e.g. in sports facilities and factories

Description

With a power range of max. 245 W, this constant current driver offers the ideal operating conditions and thus a maximum lifespan for your LED applications

Technical data

Special feature: temperature monitoring in standby < 1W

Dimensions [L x W x H in mm]	260 x 46 x 33	SELV	no
Input voltage [V]	195-265 VAC/ 175-300 VDC	Assembly	fixing holes
Output voltage [V]	190 – 340	Burst voltage [kV]	4
Output current [mA]	400 – 750 continuous adjustment with resistor	Shock resistance [kV]	2
Operating mode	constant current	Efficiency [%]	over 95
Dimming range [%]	–	Residual ripple [%]	± 5 @ < 100 Hz
Temperature range [°C]	-40 to +70	Service life [h]	100,000 @ tc = 85°C
Protection class	SK1	Protective circuit	no-load protection, short-circuit protection
Protection class	IP20	Emergency light	yes
Certification	CE	Power [W]	245

LED Control Gear

EVD250 0750 380 LRG 230

dimnable via DALI interface



Usage

LED lighting for industry, e.g. in sports facilities and factories

Description

With a power range of max. 245 W, this constant current driver offers the ideal operating conditions and thus a maximum lifespan for your LED applications

Technical data

Special feature: dimming without PWM, temperature monitoring in standby < 1W

Dimensions [L x W x H in mm]	260 x 50 x 34	SELV	no
Input voltage [V]	185 – 265 VAC/176 – 310 VDC	Assembly	fixing holes
Output voltage [V]	190 – 340	Burst voltage [kV]	4
Output current [mA]	400 – 750 continuous adjustment with resistor	Shock resistance [kV]	2
Operating mode	constant current	Efficiency [%]	over 95
Dimming range [%]	2 – 100	Residual ripple [%]	± 5 @ < 100 Hz
Temperature range [°C]	-40 to +70	Service life [h]	100,000 @ tc = 85°C
Protection class	SK1	Protective circuit	no-load protection, short-circuit protection
Protection class	IP20	Emergency light	yes
Certification	CE	Power [W]	245

LED Control Gear

EVD12 35026 LPW 110



Usage

LED lighting for industry, e.g. in sports facilities and factories

Description

This LED constant current driver offers exceptional performance for your OLED and LED application in a compact unit. At the same time, it guarantees the lowest current ripple with the highest reliability

Technical data

Special feature: ON / OFF switch in LED chain is permitted

Dimensions [L x W x H in mm]	143 x 22 x 23	Assembly	fixing holes
Input voltage [V]	85 – 265 VAC/80 – 310 VDC	Burst voltage [kV]	4
Output voltage [V]	6 – 24	Shock resistance [kV]	2
Output current [mA]	350	Efficiency [%]	over 80
Operating mode	constant current	Residual ripple [%]	–
Dimming range [%]	–	Service life [h]	50,000 @ tc = 85°C
Temperature range [°C]	-20 to +50	Protective circuit	no-load protection, short-circuit protection
Protection class	SK2	Emergency light	yes
Protection class	IP20	Power [W]	8
Certification	CE		
SELV	yes		

LED Control Gear

EVD214 2500 024 L9G 230



Usage

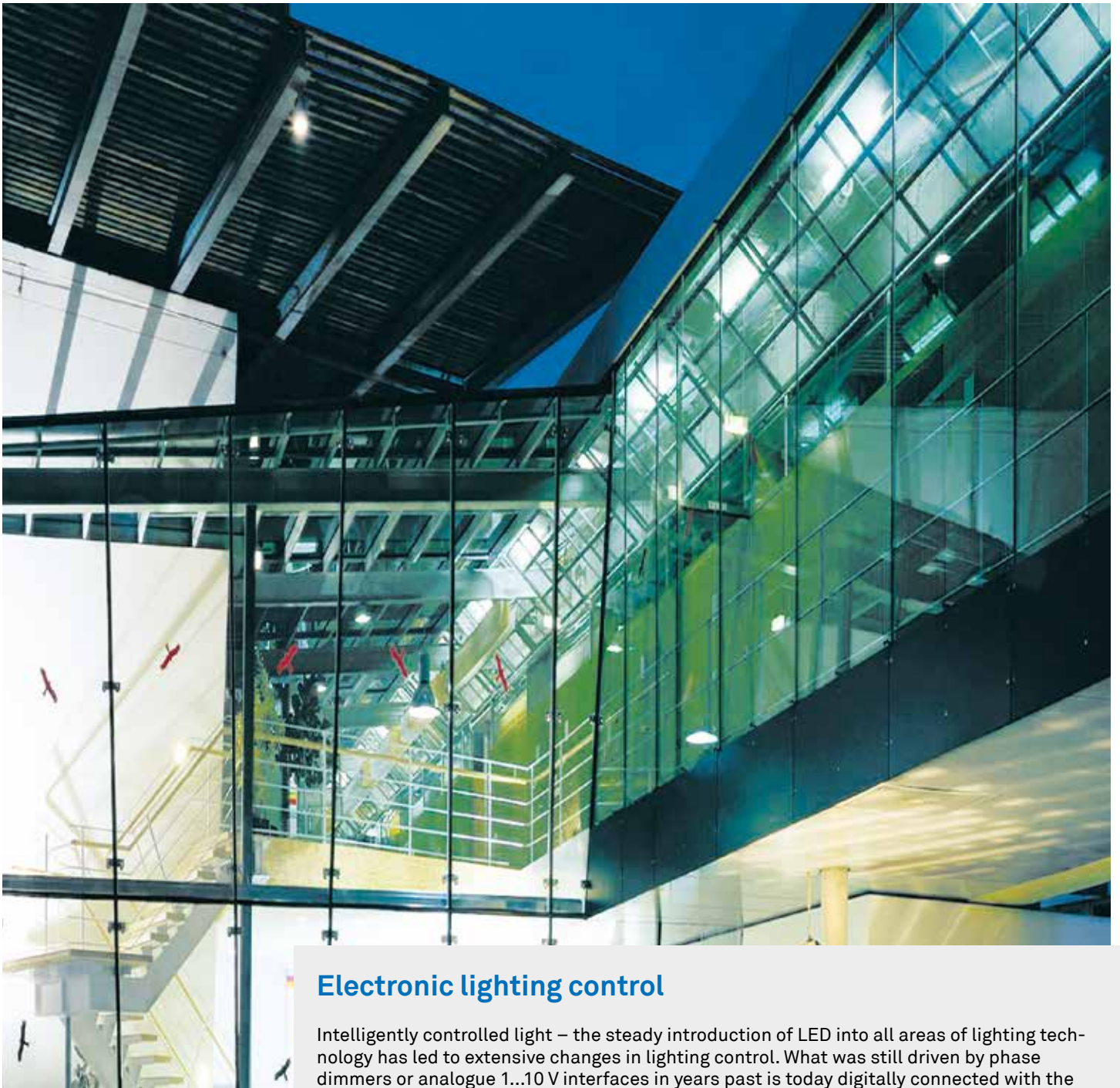
LED lighting for industry, e.g. in sports facilities and factories

Description

This LED driver offers the ideal solution for your lighting concept. Its large temperature range and output current of up to 2.5 A makes it perfect for your 24 V constant voltage application

Technical data

Dimensions [L x W x H in mm]	361 x 30 x 22	Burst voltage [kV]	4
Input voltage [V]	185 – 265 VAC/170 – 280 VDC	Shock resistance [kV]	2
Output voltage [V]	24	Efficiency [%]	over 85
Output current [mA]	2500	Residual ripple [%]	–
Operating mode	constant current	Service life [h]	96,000 @ tc = 75°C 48,000 @ tc = 85°C 24,000 @ tc = 95°C
Dimming range [%]	–	Protective circuit	no-load protection, short-circuit protection
Temperature range [°C]	-20 to +60	Emergency light	no
Protection class	SK1	Power [W]	60
Protection class	IP20		
Certification	CE		
SELV	yes		
Assembly	fixing holes		



Electronic lighting control

Intelligently controlled light – the steady introduction of LED into all areas of lighting technology has led to extensive changes in lighting control. What was still driven by phase dimmers or analogue 1...10 V interfaces in years past is today digitally connected with the building's nervous system. The standardised interface for controlling photometric devices is DALI (Digital Addressable Lighting Interface). Originally designed for dimming fluorescent lamps, the system has developed into an all-rounder for lighting schemes. The triumph of LED technology has also led to DALI experiencing a real boom, as LED lighting offers the best conditions for digital control in terms of technology.

Upon request, ECKERLE can develop and produce photometric peripheral devices such as a DALI converter, electronic button dimmer, 1-10V isolator or AC/DC switching device.

The product information listed below provides you with an initial overview. It only represents a small selection of our entire product portfolio. If you have specific requirements, our sales team would be happy to advise you! Eckerle always has the perfect solution to suit your needs.

Lighting Control ESK150 200100 LIH 110



Usage

DALI converter with 1 – 10 V output and switching function

Description

With the addressable DALI implementer with 1 – 10 V output and switching function for bidirectional communication between the DALI converter and DALI controller, a maximum of 40 electronic ballast units can be controlled with 1 – 10 V

Technical data

Special feature: SELV separation, suitable for DC supply

Dimensions [L x W x H in mm]	236.5 x 33 x 22	Burst voltage [kV]	4
Input voltage [V]	75 – 305 VAC/DC	Shock resistance [kV]	2
Temperature range [°C]	- 35 to + 65	Emergency light	no
Protection class	SK2		
Protection class	IP20		
Certification	CE		
SELV	yes		
Assembly	fixing holes		

Lighting control EST230 1140BFG230



Usage

1 – 10 V isolator for SELV applications

Description

The isolator is positioned between the 1 - 10 V interface of the EBU and the control unit. If the control unit erroneously delivers an unacceptably high voltage, the isolator prevents its transfer and thus protects the control gear

Technical data

Special feature: security transformer

Dimensions [L x W x H in mm]	81 x 41 x 22	Burst voltage [kV]	2
Input voltage [V]	220 – 240 VAC	Shock resistance [kV]	2
Temperature range [°C]	-20 to +70	Protective circuit	short-circuit protection, no-load protection
Protection class	SK2	Emergency light	no
Protection class	IP20		
Certification	CE		
SELV	yes		
Assembly	fixing holes		

Lighting control EU2-230



Usage

AC/DC switching device – switches between direct and alternating current

Description

The AC/DC switching device takes charge of the automatic switching of two separate supply voltages. If the main voltage supply fails, the device automatically switches to the alternative voltage supply

Technical data

Special feature: security transformer

Dimensions [L x W x H in mm]	81 x 41 x 28.5	Burst voltage [kV]	4
Input voltage [V]	198 – 250 VAC/198 – 250 VDC	Shock resistance [kV]	2
Temperature range [°C]	-20 to +50	Emergency light	no
Protection class	SK2		
Protection class	IP20		
Certification	CE		
SELV	yes		
Assembly	fixing holes		

Electronic control gears for fluorescent lamps

Eckerle offers the perfect solutions for a whole host of applications in different designs – both in constant current mode and constant voltage mode. There are many different types of control gear – small and compact, with and without housing, or customised.

The product information listed below provides you with an initial overview. It only represents a small selection of our entire product portfolio. If you have specific requirements, our sales team would be happy to advise you! Eckerle always has the perfect solution to suit your needs.

Electronic Control Gear EVL14 2409 L4G 24



Usage

Operation of low-pressure discharge lamps in public buildings, offices and factories

Description

Linear ballast unit for 24 W - T5

Technical data

Special feature: low voltage device, linear design

Dimensions [L x W x H in mm]	326 x 30 x 21.51	Protective circuit	no-load protection, short-circuit protection, switch-off in the event of a defective lamp
Input voltage [V]	21 – 29 VDC		
Temperature range [°C]	-15 to +50	Emergency light	yes
Protection class	SK2	Power (W)	18
Protection class	IP20	Lamp type	1 x TCL 24 W; 1 x T5 24 W; 1 x T26 14 W/15 W/18 W
Certification	CE		
Assembly	fixing holes		
Service life [h]	50,000 @ tc = 75°C		

Electronic Control Gear EVL12 1304 B9G 60



Usage

Operation of low-pressure discharge lamps in public buildings, offices and factories

Description

Compact ballast unit for 13 W -TC-DEL

Technical data

Special feature: compact design

Dimensions [L x W x H in mm]	144 x 41 x 32	Burst voltage [kV]	4
Input voltage [V]	54 – 70 VAC/48 – 75 VDC	Shock resistance [kV]	2
Dimming range [%]	–	Service life [h]	50,000 @ tc = 75°C
Temperature range [°C]	-18 to +50	Protective circuit	no-load protection, short-circuit protection, switch-off in the event of a defective lamp
Protection class	SK1	Emergency light	yes
Protection class	IP20	Power (W)	13
Certification	CE	Lamp type	1 x T16 4,6,13 W; 1 x TC-EL 5, 7, 9, 11 W; 1 x TC-DEL 10, 13 W
Assembly	fixing holes		

Electronic Control Gear EVL12 0804 BCZ 110



Usage

Operation of low-pressure discharge lamps in public buildings, offices and factories

Description

Compact ballast unit for 2 x 8 W - T16

Technical data

Special feature: compact design, wide-range device

Dimensions [L x W x H in mm]	104 x 67 x 30	Shock resistance [kV]	1
Input voltage [V]	100 – 260 VAC/ 100 – 196 VDC	Service life [h]	50,000 @ tc = 70°C
Temperature range [°C]	-10 to +50	Protective circuit	no-load protection, short-circuit protection, switch-off in the event of a defective lamp
Protection class	SK1	Emergency light	yes
Protection class	IP20	Power (W)	16
Certification	CE	Lamp type	2 x T16 8 W
Assembly	fixing holes		
Burst voltage [kV]	2		

Electronic Control Gear EVL214 1308 LPA 230



Usage

Operation of low-pressure discharge lamps in public buildings, offices and factories

Description

Linear ballast unit for 1 x 13 W, 11 W - T7

Technical data

Special feature: compact design, wide-range device

Dimensions [L x W x H in mm]	143 x 22.5 x 23.5	Shock resistance [kV]	1
Input voltage [V]	195 – 245 VAC/176 – 245 VDC	Service life [h]	50,000 @ tc = 70°C
Temperature range [°C]	-5 to +50	Protective circuit	No-load protection, short-circuit protection, switch-off in the event of a defective lamp
Protection class	SK1	Emergency light	yes
Protection class	IP20	Power (W)	15
Certification	CE	Lamp type	1 x T7 13 W, 1 x T7 11 W
Assembly	fixing holes		
Burst voltage [kV]	2		

Electronic Control Gear EVL214 1308 L3G 230



Usage

Operation of low-pressure discharge lamps in public buildings, offices and factories

Description

Linear ballast unit for 1 x 13 W - FM

Technical data

Special feature: compact design, wide-range device

Dimensions [L x W x H in mm]	256 x 24 x 20.5	Service life [h]	50,000 @ tc = 70°C
Input voltage [V]	195 – 245 VAC/198 – 245 VDC	Protective circuit	no-load protection, short-circuit protection, switch-off in the event of a defective lamp
Temperature range [°C]	-10 to +50	Emergency light	no
Protection class	SK2	Power (W)	13
Protection class	IP20	Lamp type	1 x FM 13 W
Certification	CE		
Assembly	fixing holes		
Burst voltage [kV]	2		
Shock resistance [kV]	1		

Electronic Control Gear EVL214 1409 BFH 230



Usage

Operation of low-pressure discharge lamps in public buildings, offices and factories

Description

Linear ballast unit up to a max. of 15 W -TC-EL, TC-DEL, TC-TEL, TC-DD and T16/T26

Technical data

Special feature: compact design, wide-range device

Dimensions [L x W x H in mm]	81 x 41 x 22	Shock resistance [kV]	1
Input voltage [V]	198 – 255 VAC/176 – 276 VDC	Service life [h]	50,000 @ tc = 70°C
Temperature range [°C]	-10 to +50	Protective circuit	no-load protection, short-circuit protection, switch-off in the event of a defective lamp
Protection class	SK2	Emergency light	yes
Protection class	IP20	Power (W)	15
Certification	CE	Lamp type	1 x TC-EL 5,7,9,11 W; 1 x TC-DEL 10, 13 W; 1 x TC-DD 10, 16 W; 1 x T16 4, 6, 8, 13, 14 W; 1 x T26 10, 16 W
Assembly	fixing holes		
Burst voltage [kV]	2		

Electronic Control Gear EVL230 5409 BCG 230



Usage

Operation of low-pressure discharge lamps in public buildings, offices and factories

Description

Linear ballast unit for 54 W - T16

Technical data

Special feature: dimmable, compact design

Dimensions [L x W x H in mm]	104 x 67 x 30	Shock resistance [kV]	2
Input voltage [V]	165 – 250 VAC/176 – 250 VDC	Service life [h]	50,000 @ tc = 75°C
Dimming	1 – 10 V	Protective circuit	no-load protection, short-circuit protection, switch-off in the event of a defective lamp
Dimming range (%)	5 – 100	Emergency light	yes
Temperature range [°C]	-20 to +50	Power (W)	54
Protection class	SK1	Lamp type	1 x T16 54 W
Protection class	IP20		
Certification	CE		
Assembly	fixing holes		
Burst voltage [kV]	4		

Electronic Control Gear EVL230 5503 BCG 230



Usage

Operation of low-pressure discharge lamps in public buildings, offices and factories

Description

Compact ballast unit for 55 W - TC-L

Technical data

Special feature: compact design

Dimensions [L x W x H in mm]	104 x 67 x 30	Shock resistance [kV]	1
Input voltage [V]	165 – 250 VAC/176 – 254 VDC	Service life [h]	50,000 @ tc = 75°C
Dimming	1 – 10 V	Protective circuit	no-load protection, short-circuit protection, switch-off in the event of a defective lamp
Dimming range (%)	5 – 100	Emergency light	yes
Temperature range [°C]	-20 to +50	Power (W)	55
Protection class	SK1	Lamp type	1 x TC-L 55 W
Protection class	IP20		
Certification	CE		
Assembly	fixing holes		
Burst voltage [kV]	2		

Electronic Control Gear EVL238 1806 BFH 230



Usage

Operation of low-pressure discharge lamps in public buildings, offices and factories

Description

Compact ballast unit for 18 W – TC-DEL/TEL

Technical data

Special feature: compact design

Dimensions [L x W x H in mm]	81 x 41 x 22	Shock resistance [kV]	1
Input voltage [V]	198 – 245VAC/176 – 276 VDC	Service life [h]	50,000 @ tc=75°C
Dimming range (%)	–	Protective circuit	no-load protection, short-circuit protection, switch-off in the event of a defective lamp
Temperature range [°C]	-18 to +50	Emergency light	yes
Protection class	SK2	Power (W)	18
Protection class	IP20	Lamp type	1 x TC-DEL/TEL 18 W
Certification	CE		
Assembly	fixing holes		
Burst voltage [kV]	2		

Electronic Control Gear EVL258 4211 B5R 230



Usage

Operation of low-pressure discharge lamps in public buildings, offices and factories.

Suitable as an emergency lighting system in line with EN 50172/DIN VDE 0108

Description

Compact ballast unit for a power range of up to 42 W

Technical data

Special feature: compact design, multi-watt device

Dimensions [L x W x H in mm]	150.5 x 41.5 x 30	Service life [h]	50,000 @ tc = 75°C
Input voltage [V]	195 – 245 VAC/176 – 276 VDC	Protective circuit	no-load protection, short-circuit protection, switch-off in the event of a defective lamp
Dimming range (%)	–	Emergency light	no
Temperature range [°C]	-20 to +50	Power (W)	42
Protection class	SK1	Lamp type	1 x T26 18 W; 1 x T26 36 W; 1 x TR16 22 W; 1 x TR16 40 W; 1 x TC-D/TEL 26 W; 2 x TC-D/TEL 26 W; 1 x TC-D/TEL 32 W; 1 x TC-D/TEL 42 W; 1 x TC-L/F 18 W; 2 x TC-L/F 18 W; 1 x TC-L/F 24 W; 2 x TC-L/F 24 W; 1 x TC-L/F 36 W
Protection class	IP20		
Certification	CE, VDE		
Assembly	fixing holes		
Burst voltage [kV]	2		
Shock resistance [kV]	1		

Electronic Control Gear EVL258 5409 L6G 230



Usage

Operation of low-pressure discharge lamps in public buildings, offices and factories

Description

Linear ballast unit for 54 W – T16

Technical data

Special feature: linear design

Dimensions [L x W x H in mm]	322 x 28 x 20.5	Burst voltage [kV]	2
Input voltage [V]	195 – 245 VAC/176 – 276 VDC	Shock resistance [kV]	1
Dimming range (%)	–	Service life [h]	50,000 @ tc = 75°C
Temperature range [°C]	-10 to +50	Protective circuit	no-load protection, short-circuit protection, switch-off in the event of a defective lamp
Protection class	SK1	Emergency light	yes
Protection class	IP20	Power (W)	54
Certification	CE	Lamp type	1 x T16 54 W
Assembly	fixing holes		

Electronic Control Gear

EVL258 10014 L8G 230

for UV applications



Usage

Technical lights for the operation of UV lamps

Description

Durable control gear for your UV solution

Technical data

Special feature: compact design

Dimensions [L x W x H in mm]	375 x 28 x 28.5	Burst voltage [kV]	2
Input voltage [V]	198 – 265 VAC/198 – 265 VDC	Shock resistance [kV]	1
Dimming range (%)	–	Service life [h]	50,000 @ tc = 70°C
Temperature range [°C]	-5 to +50	Protective circuit	no-load protection, short-circuit protection, switch-off in the event of a defective lamp
Protection class	SK1	Emergency light	no
Protection class	IP20	Power (W)	104
Certification	CE	Lamp type	1 x T38 100 W
Assembly	fixing holes		

Electronic Control Gear

EVL258 10014 A1G 230

for UV applications



Usage

Technical lights for the operation of UV lamps

Description

Durable control gear for your UV solution

Technical data

Special feature: compact design

Dimensions [L x W x H in mm]	160 x 101 x 32	Burst voltage [kV]	2
Input voltage [V]	195 – 245 VAC /195 – 245 VDC	Shock resistance [kV]	1
Dimming range (%)	–	Service life [h]	50,000 @ tc = 70°C
Temperature range [°C]	-5 to +50	Protective circuit	no-load protection, short-circuit protection, switch-off in the event of a defective lamp
Protection class	SK2	Emergency light	no
Protection class	IP20	Power (W)	100
Certification	CE	Lamp type	1 x T38 100 W
Assembly	fixing holes		

Electronic Control Gear

EVL258 8014 A1G 230

for UV applications



Usage

Technical lights for the operation of UV lamps

Description

Durable control gear for your UV solution

Technical data

Special feature: compact design

Dimensions [L x W x H in mm]	160 x 101 x 32	Burst voltage [kV]	2
Input voltage [V]	195 – 245 VAC /195 – 245 VDC	Shock resistance [kV]	1
Dimming range (%)	–	Service life [h]	50,000 @ tc = 70°C
Temperature range [°C]	-5 to +50	Protective circuit	no-load protection, short-circuit protection, switch-off in the event of a defective lamp
Protection class	SK2	Emergency light	no
Protection class	IP20	Power (W)	80
Certification	CE	Lamp type	1 x T38 80 W
Assembly	fixing holes		

Electronic control gears for UV applications

With our expertise in the field of UV applications and the many possibilities of UV technology (air disinfection, surface disinfection, water disinfection, UV curing), Eckerle offers the perfect solutions and products for your customer-specific needs.

The product information listed below provides you with an initial overview. It only represents a small selection of our entire product portfolio. If you have specific requirements, our sales team would be happy to advise you! Eckerle always has the perfect solution to suit your needs.

Electronic Control Gear EVL14 1114 B3N 12 for UV applications



Usage

Technical lights for the operation of UV lamps

Description

Durable control gear for your UV solution

Technical data

Special feature: compact design, low voltage device

Dimensions [L x W x H in mm]	110 x 41 x 32	Shock resistance [kV]	–
Input voltage [V]	10.2 – 14.5 VDC	Service life [h]	50,000 @ tc = 70°C
Dimming range (%)	–	Protective circuit	no-load protection, short-circuit protection, switch-off in the event of a defective lamp
Temperature range [°C]	-20 to +50	Emergency light	no
Protection class	SK2	Power (W)	11
Protection class	IP20	Lamp type	1 x TC-EL 9 W; 1 x TC-EL 11 W
Certification	CE		
Assembly	fixing holes		
Burst voltage [kV]	–		

Electronic Control Gear EVL230 10014 A1G 230 for UV applications



Usage

Technical lights for the operation of UV lamps

Description

Durable control gear for your UV solution

Technical data

Special feature: compact design

Dimensions [L x W x H in mm]	160 x 101 x 32	Burst voltage [kV]	2
Input voltage [V]	195 – 250 VAC/195 – 260 VDC	Shock resistance [kV]	1
Dimming range (%)	10 – 150	Service life [h]	50,000 @ tc = 70°C
Temperature range [°C]	0 to +50	Protective circuit	no-load protection, short-circuit protection, switch-off in the event of a defective lamp
Protection class	SK1	Emergency light	no
Protection class	IP20	Power (W)	100
Certification	CE	Lamp type	1 x T38 100 W; 1 x T38 80 W
Assembly	fixing holes		

Model code for electronic control gears (EVL)

Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17					
24 V standard (DC)	E	V	L		1	4			1	4		0	9		L	P		A			2	4
24 V standard (DC)	E	V	L		3	8			1	8		0	4		B	6		N			2	4
24 V standard (DC)	E	V	L		5	8			5	4		0	9		L	4		G			2	4
110 V standard (AC/DC)	E	V	L		1	2			3	5		0	9		L	6		G		1	1	0
42 V dimmable 1-10 V (AC/DC)	E	V	L	1	3	0			1	8		0	4		L	A		G			4	2
230 V standard (AC/DC)	E	V	L	2	1	4			1	4		0	9		B	F		H		2	3	0
230 V standard (AC/DC)	E	V	L	2	1	8			1	8		0	6		B	A		G		2	3	0
230 V standard (AC/DC)	E	V	L	2	3	8		1	4	0		1	4		A	1		G		2	3	0
230 V dimmable 1-10 V (AC/DC)	E	V	L	2	3	0		1	6	0		1	4		A	1		G		2	3	0
230 V standard (AC/DC)	E	V	L	2	5	8		1	4	0		1	4		A	1		G		2	3	0

EVL = Electronic control gear for fluorescent lamps

Product group type (6 digits)

Digits 1 – 6: EVL control gear product group

EVL_12 = 110, 100, 75, 72, 60, 48, 42, 24 volts (AC/DC)

EVL_14 = DC 24 and 12 volts (DC)

EVL_38 = DC 24 and 12 volts (DC)

EVL_58 = DC 24 and 12 volts (DC)

EVL130 = dimmable 110 volts (AC/DC)

EVL214 = AC/DC low wattages 230 volts (AC/DC)

EVL218 = AC/DC low wattages 230 volts (AC/DC)

EVL230 = dimmable 230 volts (AC/DC)

EVL238 = AC/DC 18 W to 36 W 230 volts (AC/DC)

EVL240 = dimmable DC control 230 volts (AC/DC)

EVL245 = dimmable via voltage control 230 volts (AC/DC)

EVL258 = 38 W to 120 W 230 volts (AC/DC)

Lamp wattage and lamp type (3 digits)

Digits 7 – 9: Wattage of fluorescent lamp

4 watts to 160 watts

Digits 10 – 11: Type of fluorescent lamp (2 digits)

TC-DEL EE key: 03 compact

TC-L EE key: 03 compact

T16/T5 EE key: 04 torch 4-13 watts

T26/T8 EE key: 04 torch

T38/T12 EE key: 04 torch

TC-EL EE key: 05 compact

TC-DEL EE key: 06 compact larger than 18 watts

TC-DD/TC-2D EE key: 07 2D - 4 Thorn pin

T7/T2/FM EE key: 08 FM torch lights

T16/T5 FQ+FH EE key: 09 torch

TC-TEL EE key: 11 compact

TC-F EE key: 12 compact

TR16 EE key: 13 ring lamps

TR29/TR9 EE key: 13 ring lamps

UV EE key: 14 UV lights

TC-QEL EE key: 18 compact

Design (2 digits)

A1 ... A4; B1 ... B9; BA ... BG; L2 ... L9; LA ... LI; R1 ...

Model/Version (1 digit)

G = Housing (Standard); M = Module (Standard); W = Wide-range voltage (110 V/230 V);

other letters = dependent on design

Input voltage (2 or 3 digits)

Model code for LED control gears (EVD)

Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19				
42 V standard (AC/DC)	E	V	D		1	2		1	0	5	0		3	2		B	C	G		4	2		
110 V standard (AC/DC)	E	V	D		1	2			3	5	0		1	4		L	P	G		1	1	0	
110 V dimmable 1-10 V (AC/DC)	E	V	D	1	3	0		1	4	0	0		0	6	0		R	D	M		1	1	0
110 V DALI dimmable (AC/DC)	E	V	D	1	5	0			3	5	0		6	0		R	B	W		1	1	0	
230 V standard (AC/DC)	E	V	D	2	1	4			6	0	0		1	0		B	F	G		2	3	0	
230 V dimmable 1-10 V (AC/DC)	E	V	D	2	3	0			7	0	0		6	0		B	C	G		2	3	0	
230 V standard (AC/DC)	E	V	D	2	3	8		1	4	0	0		1	2	5		N	4	M		2	3	0
230 V DALI dimmable (AC/DC)	E	V	D	2	5	0		1	4	0	0		1	2	5		N	5	M		2	3	0

EVD = Electronic control gear for LED

Product group type (6 digits)

Digits 1 – 6: LED control gear product group
 EVD12 = 110 V - 24 V / not dimmable (AC/DC)
 EVD130 = 110 V / dimmable (1-10 V) (AC/DC)
 EVD150 = 110 V / dimmable (DALI I) (AC/DC)
 EVD214 = 230 V / not dimmable (AC/DC)
 EVD230 = 230 V / dimmable (1-10 V) (AC/DC)
 EVD238 = 230 V / not dimmable (AC/DC)
 EVD250 = 230 V / dimmable (DALI I) (AC/DC)

LED current & LED voltage

Digits 7 – 10: LED current in mA
 3 digits (if current < 1000 mA and voltage < 100 V)
 4 digits (if current > 1000 mA and voltage > 100 V)

Digits 11 – 13: LED voltage in V

2 digits (if current < 1000 mA and voltage < 100 V)
 3 digits (if current > 1000 mA and voltage > 100 V)

Design (2 digits)

A1 ... A4; B1 ... B9; BA ... BG; L2 ... L9; LA ... LI; R1

Model/Version (1 digit)

G = Housing (Standard); M = Module (Standard);
 W = Wide-range voltage (110 V/230 V);
 other letters = dependent on design

Input voltage (2 or 3 digits)

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The data specified only serves to describe the product and must not be understood as warranted characteristics in a legal sense.
Subject to technical changes.

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