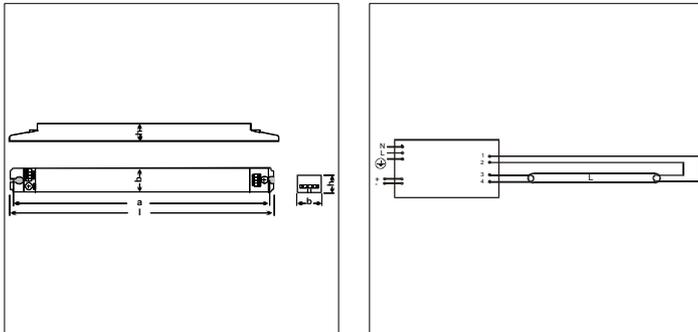


Electronic control gear
QUICKTRONIC® DIMMABLE for FH-lamps, single-lamp version
QT-FH 1x14/230-240 DIM



Reference :	QT-FH 1x14/230-240 DIM	for lamp :	1x FH 14 W
Mains voltage [V] :	230/240	Permissible voltage fluctuations [V] :	198 - 264
Permissible battery voltage [V] :	176 - 254	Lamp start :	Warm start within 2 s
Mains frequency [Hz] :	0/50 - 60	Operating frequency [kHz] :	approx. 40 at 100% luminous flux, approx. 100 at 3% luminous flux
Mains current [A] :	0,09	Power factor [c] :	0,95
System wattage [W] :	18	Luminous flux [lm] :	1350
Temperature range [°C] :	+5 - +50	Radio interference suppression :	to DIN VDE 0875/CISPR 15/EN 55015
Harmonics :	to DIN VDE 0712 Part 23/IEC 929/IEC 555-2/EN 60929	Immunity :	to EN 61547
Length l [mm] :	359	Width b [mm] :	30
Height h [mm] :	30	Distance between holes a [mm] :	350
Standard pack [pcs] :	12	Weight [g] :	310

QUICKTRONIC® DIMMABLE for FH®/FQ® lamps

This electronic high-frequency control gear enables FH® and FQ® lamps to be dimmed from 100% to 3% (1%) luminous flux via a 1 - 10V DC control line. The 1-10 V control line allows a wide variety of possible connections, ranging from simple manual control units for small systems through daylight-controlled regulation systems to modern energy management systems with PC and digital I-Bus technology. QUICKTRONIC® DIMMABLE goes beyond all current conventional and electronic solutions not just in terms of lighting comfort and energy consumption, but also in simplicity of operation and installation.

Comfort:

- Dimmable from 100% to 3% luminous flux for FH® lamps
- Dimmable from 100% to 1% luminous flux for FQ® lamps
- Flicker-free starting at all dimmer settings
- Numerous control options with a low-voltage control signal (1 - 10 V)
- Electronic control gear from different circuits can be dimmed together on different phases

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- Easy to incorporate into existing lighting control systems

Economy:

- Potentially large energy savings thanks to daylight-dependent lighting control
- Long lamp life
- Protective warm start

Safety:

- Safety shutdown of the power supply to defective lamps
- Compliance with European standards for safety, operation and EMC
- Overvoltage protective cutout for short-duration voltage surges (DIN VDE 0160) and for temporary overvoltages
- Greater fire protection because lamps operate at lower temperatures and luminaires can be constructed to meet EN 60598/DIN VDE 0710 and DIN VDE 0711 standards
- Can be used in emergency lighting systems as per DIN VDE 0108.

Applications:

Adjustable lighting in conference rooms, film projection rooms, exhibition rooms, CAD and PC rooms, control rooms, film recording studios, and for energy savings in offices with daylight-dependent lighting control.

General:

- Supply voltage: 230V/240V
 - Mains frequency: 0/50 to 60 Hz
 - Lamp start: warm start within 2 s. Lamp will start at any dimmer setting.
 - Radio interference suppression: to DIN VDE 0875/CISPR 15/EN 55015
 - Mains harmonics: to DIN VDE 0712 Part 23/IEC 929/EN 61000-3-2/EN 60929
 - Immunity to EN 61547
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- Same luminous flux for AC and DC operation.
 - Values for luminous flux, mains current and system wattage at a dimmer setting of 100%
 - Max. 0.6 mA control current at the 1-10V interface