

ELXd – Dimmable for TC-F, TC-L Lamps

Electronic built-in ballasts

Casing: metal

Dimming range:

approx. 1–100% of lamp power

Power factor: ≥ 0.95 at 100% operation

DC voltage

for operation: 154–276 V (M22, M23, M24)

for operation: 176–264 V (M9)

for ignition: 198–264 V

Push-in terminals: 0.5–1 mm²

For the automatic luminaire wiring:

IDC terminals for leads H05V-U 0.5

RFI-suppressed

For luminaires of protection class I

Degree of protection: IP20

Fixing holes for screws M4

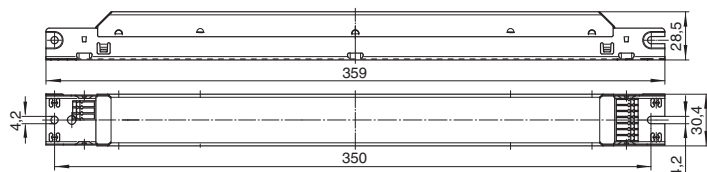
for lateral or base mounting

For lighting systems with

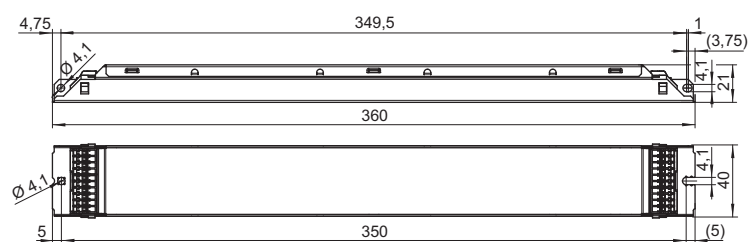
high switching frequency (> 5/day)

EOL shut down approved acc. to EN 61347 Test 2

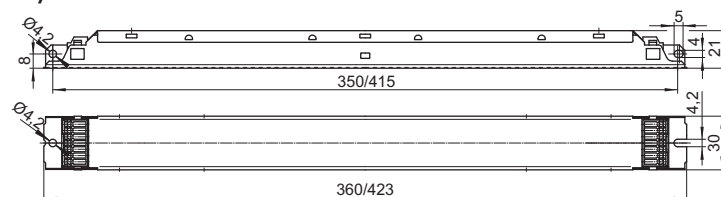
M9



M23



M22/M24



Electronic Ballasts for TC and T Lamps

ELXd – Dimmable 1–10 V for TC-F, TC-L lamps

Control voltage: DC 1–10 V

acc. to EN 60929 with earth leakage current 0.5 mA

(protected if connected to mains voltage)

For use with open- or closed-loop control units

☐ T5 ☒ TC ☒ BUILT-IN ☒ 1–10 V
☐ T8 ☐ INDEPENDENT ☐ DALI/PUSH

Lamp				Electronic ballast							System	
Output W	Type	Base	Power consumption W	Type	Ref. No.	Voltage AC 50, 60 Hz V±10%	Energie efficiency	Ambient temperature t _a (°C)	Casing temperature t _c (°C)	Casing	Output W	Luminous factor %
18	TC-F/L	2G10/2G11	1 x 16.0	ELXd 118.718	188873	220–240	EEL=A1	10 to 50	max. 70	M9	18.0	94.0
2x18	TC-F/L	2G10/2G11	2 x 16.0	ELXd 218.719	188874	220–240	EEL=A1	10 to 50	max. 70	M9	36.0	90.6
24	TC-F/L	2G10/2G11	1 x 22.0	ELXd 118.718	188873	220–240	EEL=A1	10 to 50	max. 70	M9	27.0	96.6
			1 x 23.0	ELXd 124.607	188336	220–240	A1 BAT	10 to 50	max. 75	M22	26.0	100.0
2x24	TC-F/L	2G10/2G11	2 x 22.0	ELXd 218.719	188874	220–240	EEL=A1	10 to 50	max. 70	M9	52.0	100.8
			2 x 23.0	ELXd 224.608	188337	220–240	A1 BAT	10 to 50	max. 75	M24	49.0	100.0
3x24	TC-F/L	2G10/2G11	3 x 24.0	ELXd 324.623	188597	220–240	A1 BAT	10 to 50	max. 75	M23	73.4	100.0
4x24	TC-F/L	2G10/2G11	4 x 24.0	ELXd 424.624	188598	220–240	A1 BAT	10 to 50	max. 75	M23	97.6	100.0
36	TC-F/L	2G10/2G11	1 x 32.0	ELXd 136.720	188875	220–240	A1 BAT	10 to 50	max. 70	M9	37.3	93.5
2x36	TC-F/L	2G10/2G11	2 x 32.0	ELXd 236.721	188876	220–240	EEL=A1	10 to 50	max. 70	M9	72.0	92.6
40	TC-L	2G11	1 x 38.0	ELXd 139.609	188338	220–240	A1 BAT	10 to 50	max. 75	M22	42.0	100.0
2x40	TC-L	2G11	2 x 38.0	ELXd 239.610	188339	220–240	A1 BAT	10 to 50	max. 75	M24	82.0	100.0
55	TC-L	2G11	1 x 51.0	ELXd 158.722	188877	220–240	EEL=A1	10 to 50	max. 70	M9	56.0	92.5
			1 x 54.0	ELXd 154.611	188340	220–240	A1 BAT	10 to 50	max. 75	M22	59.0	100.0
2x55	TC-L	2G11	2 x 54.0	ELXd 254.612	188341	220–240	A1 BAT	10 to 50	max. 75	M24	115.0	100.0
80	TC-L	2G11	1 x 80.0	ELXd 180.613	188342	220–240	A1 BAT	10 to 50	max. 75	M22	88.0	100.0

Circuit diagrams see pages 255–259

ELXd – Dimmable with push key or DALI for TC-F, TC-L lamps

Complete implementation of the DALI-standard:

addressable, memory store for scenes and groups,

revertive information communication, physical and

RND-selection, standardized lamp characteristic

Low-power design ensures very low standby

power consumption

standby power consumption: ≤ 0.2 W

☐ T5 ☒ TC ☒ BUILT-IN ☐ 1–10 V
☐ T8 ☐ INDEPENDENT ☒ DALI/PUSH

Lamp				Electronic ballast							System	
Output W	Type	Base	Power consumption W	Type	Ref. No.	Voltage AC 50, 60 Hz V±10%	Energie efficiency	Ambient temperature t _a (°C)	Casing temperature t _c (°C)	Casing	Output W	Luminous factor %
18	TC-F/L	2G10/2G11	1 x 16.0	ELXd 118.615	188344	220–240	A1 BAT	10 to 50	max. 75	M22	19.0	100.0
2x18	TC-F/L	2G10/2G11	2 x 16.0	ELXd 218.616	188345	220–240	A1 BAT	10 to 50	max. 75	M24	37.0	100.0
24	TC-F/L	2G10/2G11	1 x 23.0	ELXd 124.600	188329	220–240	A1 BAT	10 to 50	max. 75	M22	26.0	100.0
2x24	TC-F/L	2G10/2G11	2 x 23.0	ELXd 224.601	188330	220–240	A1 BAT	10 to 50	max. 75	M24	49.0	100.0
3x24	TC-F/L	2G10/2G11	3 x 23.0	ELXd 324.626	188600	220–240	A1 BAT	10 to 50	max. 75	M23	73.4	100.0
4x24	TC-F/L	2G10/2G11	4 x 23.0	ELXd 424.628	188602	220–240	A1 BAT	10 to 50	max. 75	M23	97.6	100.0
36	TC-F/L	2G10/2G11	1 x 32.0	ELXd 136.617	188346	220–240	A1 BAT	10 to 50	max. 75	M22	36.0	100.0
2x36	TC-F/L	2G10/2G11	2 x 32.0	ELXd 236.618	188347	220–240	A1 BAT	10 to 50	max. 75	M24	69.0	100.0
40	TC-L	2G11	1 x 38.0	ELXd 139.602	188331	220–240	A1 BAT	10 to 50	max. 75	M22	42.0	100.0
2x40	TC-L	2G11	2 x 38.0	ELXd 239.621	188350	220–240	A1 BAT	10 to 50	max. 75	M24	82.0	100.0
55	TC-L	2G11	1 x 54.0	ELXd 154.603	188332	220–240	A1 BAT	10 to 50	max. 75	M22	59.0	100.0
2x55	TC-L	2G11	2 x 54.0	ELXd 254.604	188333	220–240	A1 BAT	10 to 50	max. 75	M24	115.0	100.0
80	TC-L	2G11	1 x 80.0	ELXd 180.605	188334	220–240	A1 BAT	10 to 50	max. 75	M22	88.0	100.0

Circuit diagrams see pages 255–259