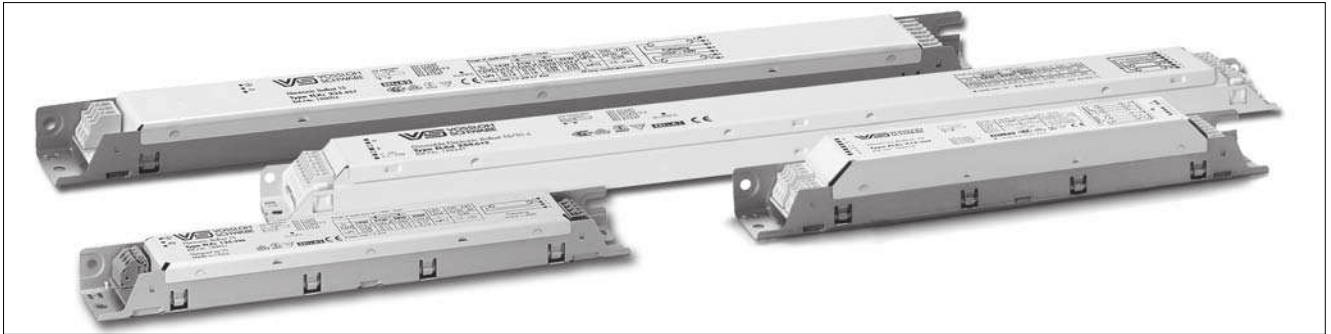


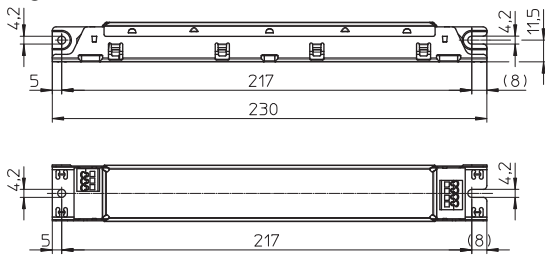
## ELXc – Warm Start for T5 and T8 Lamps

Electronic built-in ballasts  
 Casing: metal  
 Power factor:  $\geq 0.95$   
 RFI-suppressed  
 For luminaires of protection class I

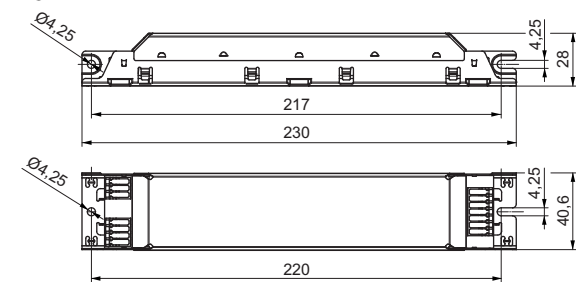
Degree of protection: IP20  
 For lighting systems with  
 high switching frequency ( $> 5/\text{day}$ )



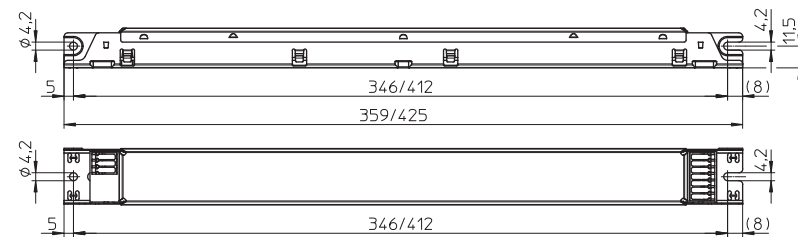
### M6



### M8



### M10/M11



## ELXc – Warm Start for T5 and T8 Lamps

DC voltage

for operation: 176-264 V

for ignition: 198-264 V

(ELXc 135.856, 235.857, 149.858, 154.864,  
180.866, 270.206; 280.538:

DC voltage cannot be reduced to 176 V)

Push-in terminals: 0.5-1 mm<sup>2</sup>

For the automatic luminaire wiring:

IDC terminals for leads H05V-U 0.5

EOL shut down approved

acc. to EN 61347 Test 2 (for T5)

EOL shut down (for T8)

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%	Energy efficiency	Ambient temperature t <sub>a</sub> (°C)	Casing temperature t <sub>c</sub> (°C)	Casing	Output W	Luminous factor %
<b>For T5 lamps</b> - Casing: M8, M10 and M11												
14	T5	G5	1 x 14.0	ELXc 135.856	<b>188093</b>	220-240	A2 BAT	-15 to 55	max. 70	M10	17.0	110.7
2x14	T5	G5	2 x 14.0	ELXc 235.857	<b>188094</b>	220-240	A2 BAT	-15 to 55	max. 70	M10	33.4	107.0
3x14	T5	G5	3 x 14.0	ELXc 414.868	<b>188438</b>	220-240	A2 BAT	-15 to 55	max. 70	M8	48.0	105.4
4x14	T5	G5	4 x 14.0	ELXc 414.868	<b>188438</b>	220-240	A2 BAT	-15 to 55	max. 70	M8	63.0	102.3
21	T5	G5	1 x 21.0	ELXc 135.856	<b>188093</b>	220-240	A2 BAT	-15 to 55	max. 70	M10	24.0	107.4
2x21	T5	G5	2 x 21.0	ELXc 235.857	<b>188094</b>	220-240	A2 BAT	-15 to 55	max. 70	M10	50.2	110.6
24	T5	G5	1 x 22.5	ELXc 140.862	<b>188140</b>	220-240	A2 BAT	-15 to 55	max. 70	M10	27.0	114.0
2x24	T5	G5	2 x 22.5	ELXc 240.863	<b>188616</b>	220-240	A2 BAT	-15 to 55	max. 70	M10	51.0	107.4
3x24	T5	G5	3 x 22.5	ELXc 424.223	<b>183039</b>	220-240	A2 BAT	-15 to 55	max. 75	M8	78.0	103.7
4x24	T5	G5	4 x 22.5	ELXc 424.223	<b>183039</b>	220-240	A2 BAT	-15 to 55	max. 75	M8	101.7	103.5
28	T5	G5	1 x 28.0	ELXc 135.856	<b>188093</b>	220-240	A2 BAT	-15 to 55	max. 70	M10	32.0	104.9
2x28	T5	G5	2 x 28.0	ELXc 235.857	<b>188094</b>	220-240	A2 BAT	-15 to 55	max. 70	M10	60.6	106.2
35	T5	G5	1 x 35.0	ELXc 135.856	<b>188093</b>	220-240	A2 BAT	-15 to 55	max. 70	M10	39.5	102.7
2x35	T5	G5	2 x 35.0	ELXc 235.857	<b>188094</b>	220-240	A2 BAT	-15 to 55	max. 70	M10	74.5	102.5
39	T5	G5	1 x 38.0	ELXc 140.862	<b>188140</b>	220-240	A2 BAT	-15 to 55	max. 70	M10	43.0	107.0
2x39	T5	G5	2 x 38.0	ELXc 240.863	<b>188616</b>	220-240	A2 BAT	-15 to 55	max. 70	M10	82.0	97.9
49	T5	G5	1 x 49.0	ELXc 149.858	<b>188095</b>	220-240	A2 BAT	-15 to 55	max. 70	M10	54.0	102.5
2x49	T5	G5	2 x 49.0	ELXc 249.859	<b>188617</b>	220-240	A2 BAT	-15 to 50	max. 70	M10	113.0	106.6
54	T5	G5	1 x 54.0	ELXc 154.864	<b>188142</b>	220-240	A2 BAT	-15 to 55	max. 65	M10	59.0	101.1
2x54	T5	G5	2 x 54.0	ELXc 254.865	<b>188618</b>	220-240	A2 BAT	-15 to 50	max. 70	M10	119.0	106.0
80	T5	G5	1 x 80.0	ELXc 180.866	<b>188144</b>	220-240	A2 BAT	-15 to 55	max. 70	M10	87.0	97.6
2x80	T5	G5	2 x 80.0	ELXc 280.538	<b>188619</b>	220-240	A2 BAT	-15 to 50	max. 70	M11	175.0	97.2
<b>For T8 lamps</b> - Casing: M8												
3x18	T8	G13	3 x 16.0	ELXc 418.204	<b>188744</b>	220-240	A2 BAT	-15 to 55	max. 70	M8	56.0	100.8
4x18	T8	G13	4 x 16.0	ELXc 418.204	<b>188744</b>	220-240	A2 BAT	-15 to 55	max. 70	M8	71.5	98.9
3x36	T8	G13	3 x 32.0	ELXc 336.214	<b>188595</b>	220-240	A2 BAT	-15 to 50	max. 65	M8	105.0	99.4

Circuit diagrams see pages 238-241