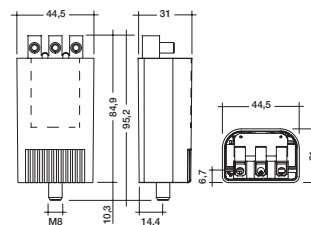


Superimposed Pulse Ignitors
ZRM 6-ES/C 400, ZRM 12-ES/C 400



Standards:

EN 61347-2-1
EN 60927



Type	ZRM 6-ES/C 347	
Article number		87500097
Line voltage	V	311-382
Switch off/on voltage	V	347
Mains frequency	Hz	50-60
Ignition voltage	kV	3.7-5.0
Phase displacement of ignition impulses	°	60–90/240–270
Number of impulses per halfwave		3
Impulse width at U_{zmin} -10 %	µs	>2
Starting current (approx.)	mA	180
Max. permissible lamp current I_B	A	6
Lamp wattage HS	W	600-750
Lamp wattage HI	W	–
Temperature rise at $I_B = 3.4$ A (600 W)	K	12.9
$I_B = 3.62$ A (600 W)	K	14.3
$I_B = 4.5$ A (750 W)	K	21.8
$I_B = 6.8$ A (1500 W)	K	–
$I_B = 10.3$ A (2000 W)	K	–
$I_B = 12.7$ A (max. W)	K	–
Losses at $I_B = 3.4$ A (600 W)	W	1.3
$I_B = 3.62$ A (600 W)	W	1.45
$I_B = 4.5$ A (750 W)	W	2.33
$I_B = 6.8$ A (1500 W)	W	–
$I_B = 10.3$ A (2000 W)	W	–
$I_B = 12.7$ A (max. W)	K	–
Max. cable capacitance	pF	20-200
Max. distance from lamp	m	3
Max. housing temperature	°C	105
Max. housing temperature, other casing sides	°C	105
Min. operating temperature	°C	-30
Weight	kg	0.21
Figure		1

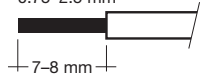
Installation instructions

Wiring type and cross section

Stranded wire or solid wire with a cross section up to 2.5 mm² may be used for wiring. Strip 8 mm of insulation from the cables to ensure perfect operation of the screw terminals. The lamp cable has to be selected according to the ignition voltage.

ZRM 6-ES/C 347:

wire preparation:
0.75–2.5 mm²



When using two wires in one clamp-cage it is recommended to use the same wire types (solid or flexible) and same wire diameters. Above all, it must be made sure that the wires are fastened securely.

Important advice

Always switch off at the mains before changing the lamp. Warning – starting voltage up to 5.0 kV!
Not suitable for use with lamps with internal ignitors.

Wiring notes

The ignitor can be used in luminaires for Protection Class 1 and Protection Class 2. The maximum allowable torque on the M8 nut is 4 Nm.

ATTENTION!

Terminals which are not fastened sufficient can cause charrings (maximum torque of terminal screws is 0.8 Nm). Wrong wiring can cause the destruction of the ignitor.

Circuit diagram ZRM ES/C

