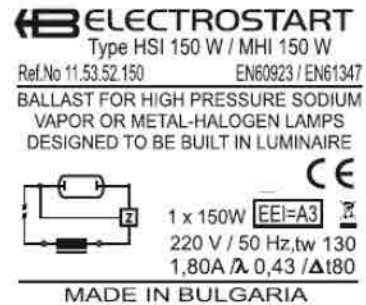
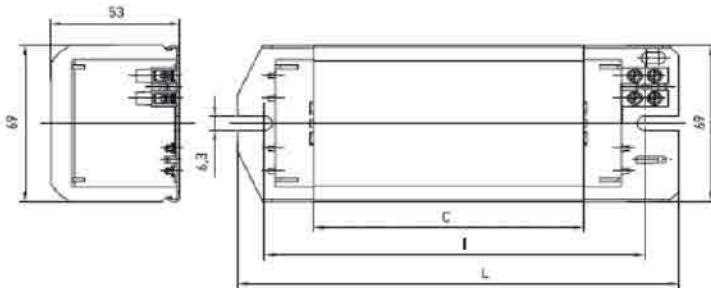


TDS No.020

Ballast for High Intensity Discharge lamps, type: HSI / MHI 150W 220V 50Hz



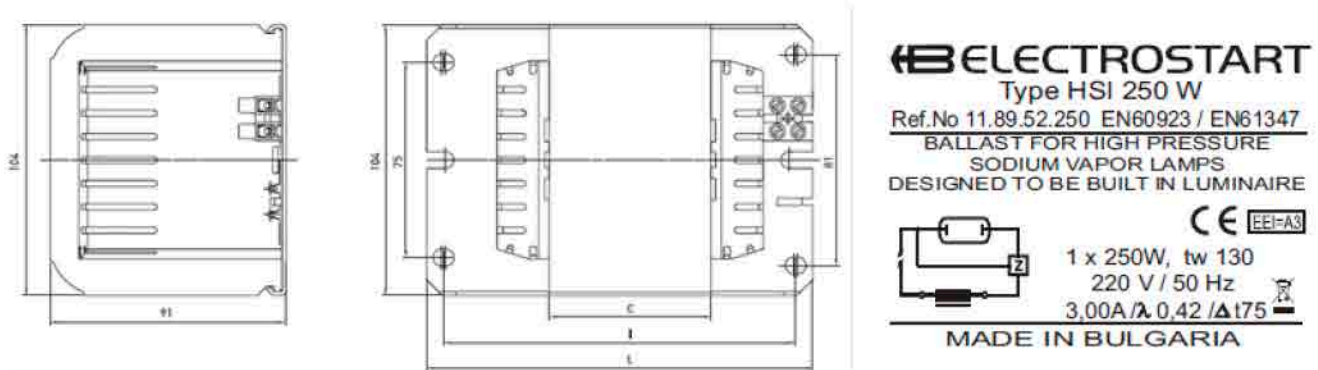
Reference		Ballast for High- pressure sodium and Metal halide lamps
Type		HSI/MHI 150W 220V 50Hz
Ref.No	-	11.53.52.150
Art.No.	-	96352150
Rated power	W	150
Rated voltage	V	220 AC , 50Hz
Rated current	A	1.80
Power factor	-	0.43
Short circuit current at 1.06Un	A	< 3.00
Open circuit voltage	V	> 198
Losses in cold condition	W	≤ 23
High voltage test	kV	2.00 AC
Energy Efficiency (EEI)	-	A3
Temperature rise normal (dt)	°C	80
Maximum winding temperature (tw)	°C	130
Weight	kg	1.80
Dimensions:	-	-
C	mm	75
I	mm	120
L	mm	145
Screw terminals	mm ²	4.0



In accordance with IEC 61347-1, IEC 61347-2-9, IEC 60923, IEC 62442-2, IEC 60662 and IEC 61167.

TDS No.021

Ballast for High Intensity Discharge lamps, type: HSI / MHI 250W 220V 50Hz



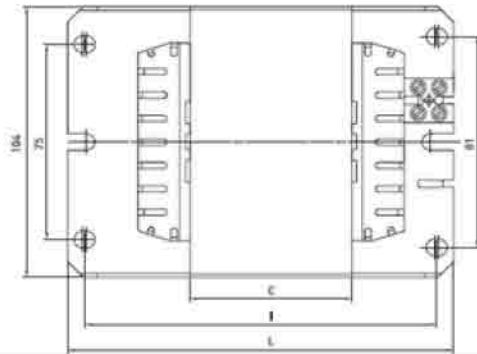
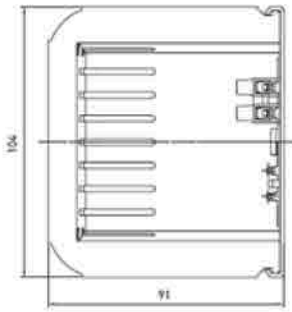
Reference		Ballast for High- pressure sodium and Metal halide lamps
Type		HSI/MHI 250W 220V 50Hz
Ref.No	-	11.89.52.250
Art.No.	-	96652250
Rated power	W	250
Rated voltage	V	220 AC , 50Hz
Rated current	A	3.00
Power factor	-	0.42
Short circuit current at 1.06Un	A	< 5.20
Losses in cold condition	W	≤ 31
Open circuit voltage	V	> 198
High voltage test	kV	2.00 AC
Energy Efficiency (EEI)	-	A3
Temperature rise normal (dt)	°C	75
Maximum winding temperature (t_w)	°C	130
Weight	kg	3.00
Dimensions:	-	-
C	mm	42
I	mm	120
L	mm	133
Screw terminals	mm ²	4.0



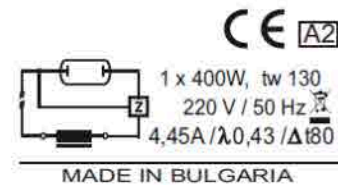
In accordance with IEC 61347-1, IEC 61347-2-9, IEC 60923, IEC 62442-2, IEC 60662 and IEC 61167 .

TDS No.022

Ballast for High Intensity Discharge lamps, type: HSI 400W 220V 50Hz



ELECTROSTART
 Type HSI 400 W
 Ref.No 11.89.52.400 EN60923 / EN61347
 BALLAST FOR HIGH PRESSURE
 SODIUM VAPOR LAMPS
 DESIGNED TO BE BUILT IN LUMINAIRE



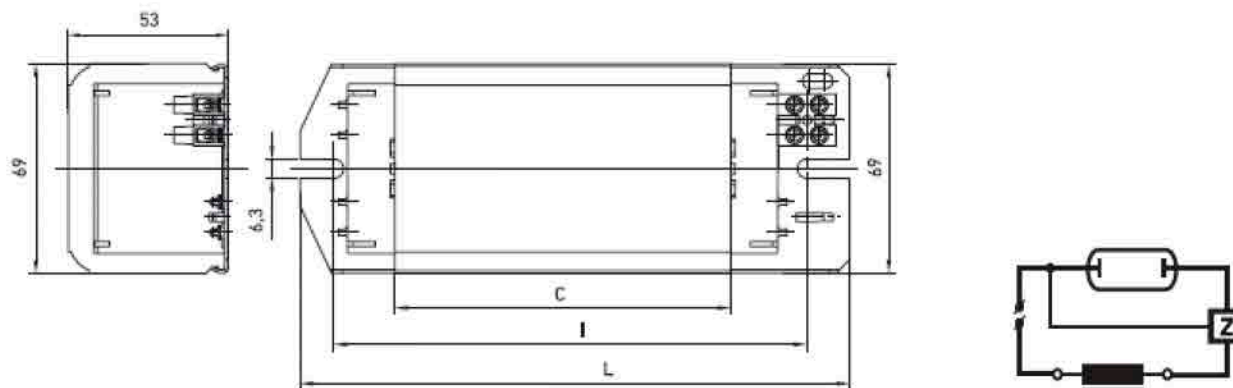
Reference		Ballast for Ballast for High- pressure sodium lamps
Type		HSI 400W 220V 50Hz
Ref.No	-	11.89.52.400
Art.No.	-	96652400
Rated power	W	400
Rated voltage	V	220 AC , 50Hz
Rated current	A	4.45
Power factor	-	0.43
Short circuit current at 1.06Un	A	< 7.50
Losses in cold condition	W	≤ 38
Open circuit voltage	V	> 198
High voltage test	kV	2.00 AC
Energy Efficiency (EEI)	-	A2
Temperature rise normal (dt)	°C	
Maximum winding temperature (tw)	°C	130
Weight	kg	4.90
Dimensions:	-	-
C	mm	76
I	mm	135
L	mm	148
Screw terminals	mm ²	4.0



In accordance with IEC 61347-1, IEC 61347-2-9, IEC 60923, IEC 62442-2 and IEC 60662.

TDS No.028

Ballast for High Intensity Discharge lamps, type: HSI 100W 220V 50Hz



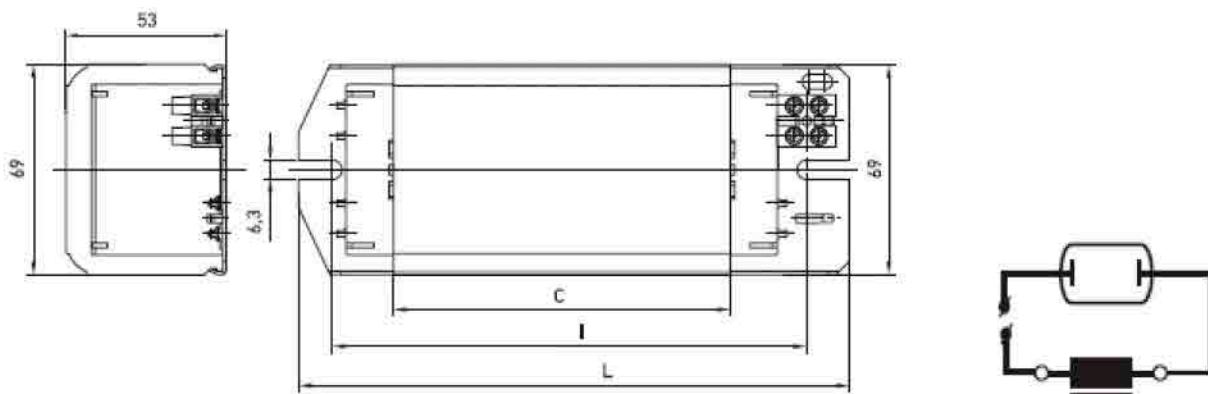
Reference		Ballast for High- pressure sodium lamps
Type		HSI 100W 220V 50Hz
Ref.No	-	11.53.52.100
Art.No.	-	96452100
Rated power	W	100
Rated voltage	V	220 AC , 50Hz
Rated current	A	1.20
Power factor	-	0.45
Short circuit current at 1.06Un	A	< 2.40
Open circuit voltage	V	> 198
High voltage test	kV	2.00 AC
Energy Efficiency (EEI)	-	A3
Temperature rise normal (dt)	°C	80
Maximum winding temperature (tw)	°C	130
Weight	kg	1.17
Dimensions:	-	-
C	mm	45
I	mm	87
L	mm	112
Screw terminals	mm ²	1.0 ÷ 2.5



In accordance with IEC 61347-1, IEC 61347-2-9, IEC 60923, IEC 62442-2, IEC 60662.

TDS No.029

Ballast for High Intensity Discharge lamps, type: MVI 125W 220V 50Hz



Reference		Ballast for Mercury vapor lamps
Type		MVI 125W 220V 50Hz
Ref.No	-	11.53.52.125
Art.No.	-	96252125
Rated power	W	125
Rated voltage	V	220 AC , 50Hz
Rated current	A	1.15
Power factor	-	0.56
Short circuit current at 1.06Un	A	< 2.30
Open circuit voltage	V	> 198
High voltage test	kV	2.00 AC
Energy Efficiency (EEL)	-	A3
Temperature rise normal (dt)	°C	80
Maximum winding temperature (tw)	°C	130
Weight	kg	1.17
Dimensions:	-	-
C	mm	45
I	mm	87
L	mm	112
Screw terminals	mm ²	1.0 ÷ 2.5



In accordance with IEC 61347-1, IEC 61347-2-9, IEC 60923, IEC 62442-2 and IEC 60188.