

36W -1 A
Constant current control gear, 1-channel, non-dimmable



*Photograph is for viewing purpose. Technical data not to be drawn from this picture

ECG versions

Order No.	Model Description	Variant
10222379	ACS160-100_22-36P4/MFG1/CMD	44W - 1100mA
		42W - 1050mA
		40W - 1000mA
		38W - 950mA
		36W - 900mA
		34W - 850mA
		32W - 800mA
		30W - 750mA
		28W - 700mA
		26W - 650mA
		24W - 600mA
		22W - 550mA
		20W - 500mA

Performance characteristics

- Non-dimmable 1-channel ECG for constant current operation of LED modules
- High efficiency > 87% (100 % load)
- Input voltage 160-300 V
- Mains overvoltage protection upto 440VAC
- Surge protection upto 4kV
- For use in combination with luminaires of protection class I, class II
- ECG extensively protected against abnormal operating conditions at the output e.g. short-circuit, open circuit or overload.

Applications

	Office	outdoor lighting
	Shops	

Markings



36W -1 A

Constant current control gear, 1-channel, non-dimmable

General Technical Data

Mains voltage supply	
Rated voltage	240V
Rated frequency	50 Hz
Max. admissible input voltage range (AC)	160-300 V
Total harmonic distortion (THD)	< 10%
Output data	
Constant current	
Output current tolerance	+/- 5 %
Galvanic separation to mains input	Basic Insulation (1.5kV)
Tolerance of output current	10%
Power factor	
240V at full load)	> 0.95
Efficiency (Typ.)	
Full load	87 %
Protection functions	
Open-circuit operation	<50VDC
Output short circuit operation	Ok
Connection Terminals	
For solid or stranded wire	
Wire lengths	
Max. wire length to LED module	< 2 m
Thermal protected device	
Max.surface temperature acc. EN 61347-2-13/C5C	+110° C
Degree of protection	
Degree of protection	IP 67
Surge Level	4KV

Temperatures (operation)

Order No.		Ambient (t _a)	Case (t _c)
10222379	ACS160-100_22-36P4/MFG1/CMD	0 °C ... + 50°C	max. + 85°C

36W -1 A

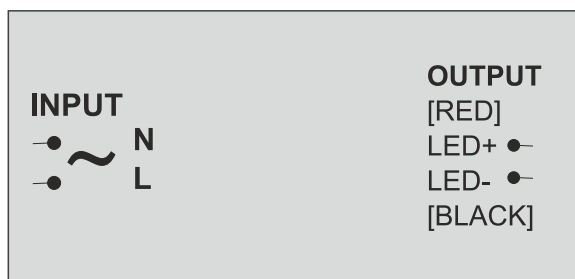
Constant current control gear, 1-channel, non-dimmable

Operating data

Order No.	Varriant	loading vtg.	Input current A	Input Power W	Power Factor %	ECG Efficiency %	Output current mA	Output Voltage VDC	Athd %	Output Power W
10222379	44W - 1100mA	100%	0.23	51	0.95	87	1100	40	10	44
		50%	0.12	25	0.95	87	1100	20	10	22
	42W - 1050mA	100%	0.22	48	0.95	87	1050	40	10	42
		50%	0.11	24	0.95	87	1050	20	10	21
	40W - 1000mA	100%	0.21	46	0.95	87	1000	40	10	40
		50%	0.11	23	0.95	87	1000	20	10	20
	38W - 950mA	100%	0.20	44	0.95	87	950	40	10	38
		50%	0.10	22	0.95	87	950	20	10	19
	36W - 900mA	100%	0.19	41	0.95	87	900	40	10	36
		50%	0.09	21	0.95	87	900	20	10	18
	34W - 850mA	100%	0.18	39	0.95	87	850	40	10	34
		50%	0.09	20	0.95	87	850	20	10	17
	32W - 800mA	100%	0.17	37	0.95	87	800	40	10	32
		50%	0.08	18	0.95	87	800	20	10	16
	30W - 750mA	100%	0.16	34	0.95	87	750	40	10	30
		50%	0.08	17	0.95	87	750	20	10	15
	28W - 700mA	100%	0.15	32	0.95	87	700	40	12	28
		50%	0.07	16	0.95	87	700	20	12	14
	26W - 650mA	100%	0.14	30	0.95	85	650	40	12	26
		50%	0.07	15	0.95	87	650	20	12	13
	24W - 600mA	100%	0.13	28	0.95	87	600	40	12	24
		50%	0.06	14	0.95	87	600	20	12	12
	22W - 550mA	100%	0.12	25	0.95	87	550	40	12	22
		50%	0.06	13	0.95	87	550	25	12	11
	20W - 500mA	100%	0.11	23	0.95	87	500	40	15	20
		50%	0.05	11	0.95	87	500	20	15	10

All specifications with 240 VAC nominal operation and 100 % load

Wiring diagrams



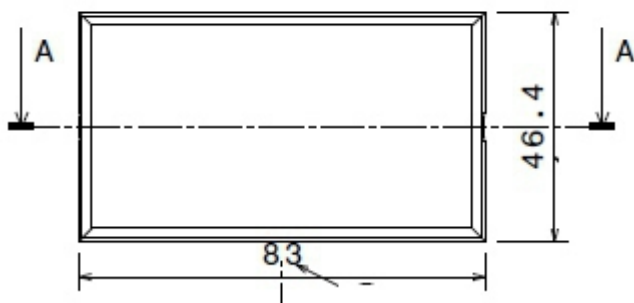
36W -1 A

Constant current control gear, 1-channel, non-dimmable

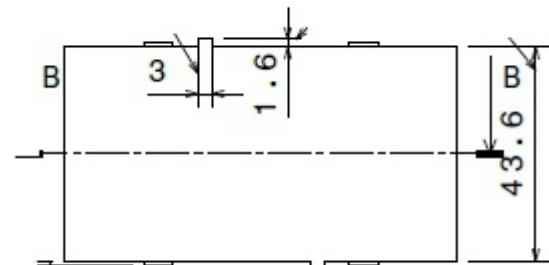
Case diagrams

Order no.	Length X mm	Width Y mm	Height Z mm	Hole spacing X _m (length direction) mm	Hole spacing Y _m (width direction) mm	Hole spacing Z _m (height direction) mm
10222379	83	46.4	33.2	-	-	-

Box



Cover



Logistic data

Model Description	Order no.	Weight ECG kg	ECG / packaging unit pcs.	Dimensions packaging unit mm	Weight packaging unit kg
ACS160-100_22-36P4/MFG1/CMD	10222379	0.182	28	345x215x115	5.11

Conformance with regulations (Compliance to relevant clauses)

IS15885(PART- 2/SEC 13)

EN 61347-1 General and safety requirements

EN 61347-2-13 Particular requirement for DC or AC supplied electronic control gear for LED modules

EN 62 384 Performance characteristics: DC or AC supplied electronic control gear for LED modules Module

EN 61 547 Equipment for general lighting purposes EMC immunity requirements

Environmental tests for mechanical capacity:

IEC 60068-2-6 Test Fc : vibrations (sinusoidal)

IEC 60068-2-27 Test Ea : shock and bump

IEC 60068-2-29 Test Eb : shock and bump

Quality management certified according to ISO 9001

BAG electronics (India) Pvt. Ltd.

Registered Office & Works : Survey No. 19, Kondhwa Road, Yewlewadi, Pune - 411048, Maharashtra, India

marketingindia@BAGelectronics.in • Phone +91-20-67551700 • Customer Care No. 9595000200