

Applications

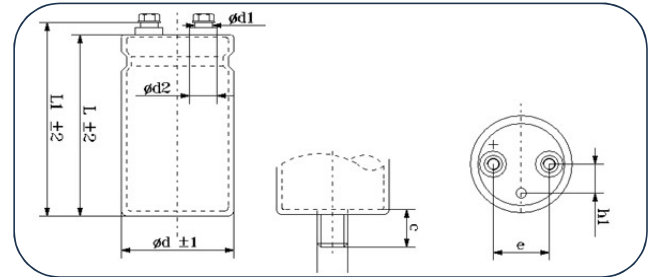
<i>Screw terminal</i>	<i>High Voltage</i>	<i>Extended temperature range -40°C + 85°C</i>
<i>Professional Application</i>	<i>Optimized designed available on request</i>	<i>Very High Reliability</i>

Case Code	DxL (mm)	L1 (mm)	h1	d1	d2	e
EF	90 x 145	151	19	18	23	31,8

Connecting screw		
Thread	Torque (Nm)	Lenght
M6	3	10

Mounting screw		
Thread	Torque (Nm)	Lenght
M12	10	16

All dimensions in mm, Torque in Nm



Ordering Code:	AYX-HR333M160EF1					Plain Style
AY	(U)	X	333	M	160	EF
Series	U=mounting stud Void=flat bottom	Terminals	C with multiplying factor: 1=x10, 2=x100, 3=x1.000,	Tolerance	V _R	Size
						1=sleeve 0=no sleeve

Electrical Parameters

Capacitance:	33.000 uF (25°C 100Hz)
Capacitance tolerance:	M=+/-20%
Rated Voltage:	160 Vdc
Surge Voltage:	185 Vdc
ESR_{Max}:	7 mΩ (25°C 100Hz)
Tand_{Max}:	15 % (25°C 100Hz)
I_{ripple}:	34,30 A (85°C 100Hz)
I_{leakage}:	≤0,004xCxV mA (rated voltage, 25°C, 5min)

Ripple=IripplemA (rated voltage, 25°C, 5min)xKtxKf Ripple determination

Frequency	Kf
50	0,78
100	1,00
120	1,02
200	1,06
300	1,08
400	1,09
500	1,09
>1000	1,09

Expected lifetime

10000hrs@85°C, Rated Voltage, Iripple
20000hrs@45°C, Rated Voltage, Iripple
End of life criteria:
Dcap≤30%
DESR≤3XESR_{Max}
I_{leakage}≤I_{leakageMax}

Temperature	Kt
40	1,65
55	1,50
65	1,40
75	1,20
85	1,00
95	
105	

Special Features

Power Electronics, Professional Supplies, Medical devices,
Energy Storage, UPS, Traction

Please contact our Technical Service for more information

Packaging

Packaging	Qty/box	Weight/box
EF	6	9-11

All weights in kg

NOTE:


Quality and Environmental Integrated System up to EN ISO 14001:2004 EN ISO 9001: 2008

ITELCOND s.r.l. – Tel. +390290362995

Commercial information e-mail: sales@itelcond.it

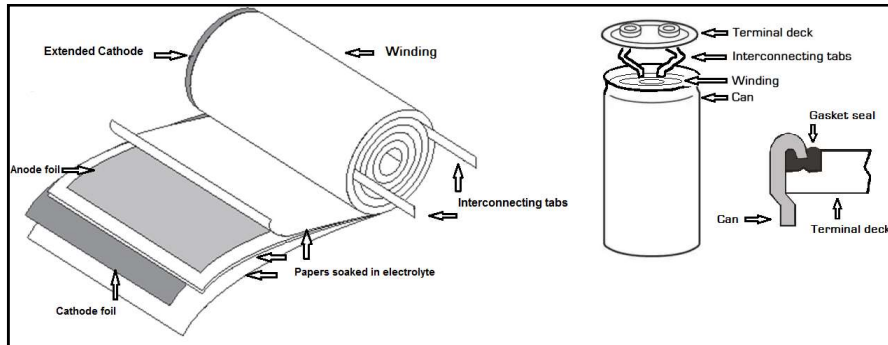
Technical information e-mail: qualityassurance@itelcond.it

For Terms and Conditions see our website www.itelcond.it



CONSTRUCTION

This model is still valid, as the formulas that relate to it, if we consider it as a finite element of a real-life aluminium electrolytic capacitor, the detailed overview of the construction of whose includes: **Anode foil and dielectric - Cathode foil and electrolyte-soaked paper - Rolled cylinder structure - Interconnecting tabs and terminals - Aluminium can enclosure - Terminal deck and sealing**



VIBRATION TEST RESISTANCE - CLIMATIC CATEGORY

Vibration Test:	Schock Test:	Climatic Category:
IEC 600868	IEC 61373	40/85/56

NOT FLAMMABLES MATERIALS

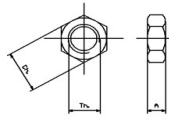
SLEEVE PRINTING	COMPONENT	MATERIAL	UL rating
Thermo	Cover / Deck	Thermosetting	V0
	Plastic Sleeve	PVC	V0
	Bottom Insulation	PVC	V0
	Plastic Washer	Thermoplastic	V0
	Hex Nut	Thermoplastic	V0

ACCESSORIES DETAILS

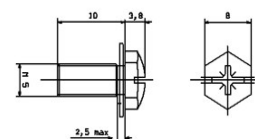
The capacitors are supplied with suitable screws. Other accessories are selling separate, depends of the models needs. Accessories are not fastened to the capacitor.

STUD Version Accessories - METAL NUTS

P.Number	Th	A	Ch
1121	M8	18	17
1277	M12	18	19

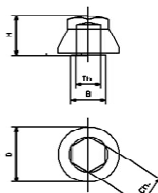


METAL SCREW



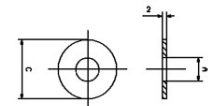
STUD Version Accessories - PLASTIC NUTS

P.Number	Th	B	D	H	Ch
1210	M8	18	25	15	17
1126	M12	18	30	20	19
1502	M12	22,5	30	18	19
1508	M12	30	38	18	19

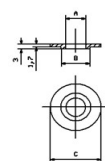


INSULATED WASHERS

P.Number	A	C
1074	M8	25
1075	M12	35

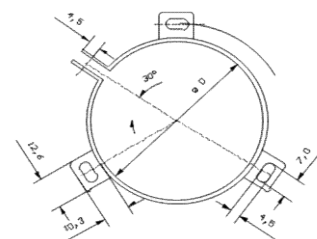
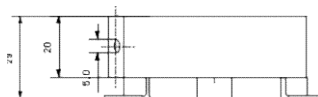


P.Number	A	B	C
1073	M8	18	25
1076	M12	18	35



PLAIN VERSION

Ring clip code	D	A
ZAF-A	35	46
ZAF-B	51	63,5
ZAF-C	63	76
ZAF-D	76	89
ZAF-E	90	106



Quality and Environmental Integrated System up to EN ISO 14001:2004 EN ISO 9001: 2008

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