

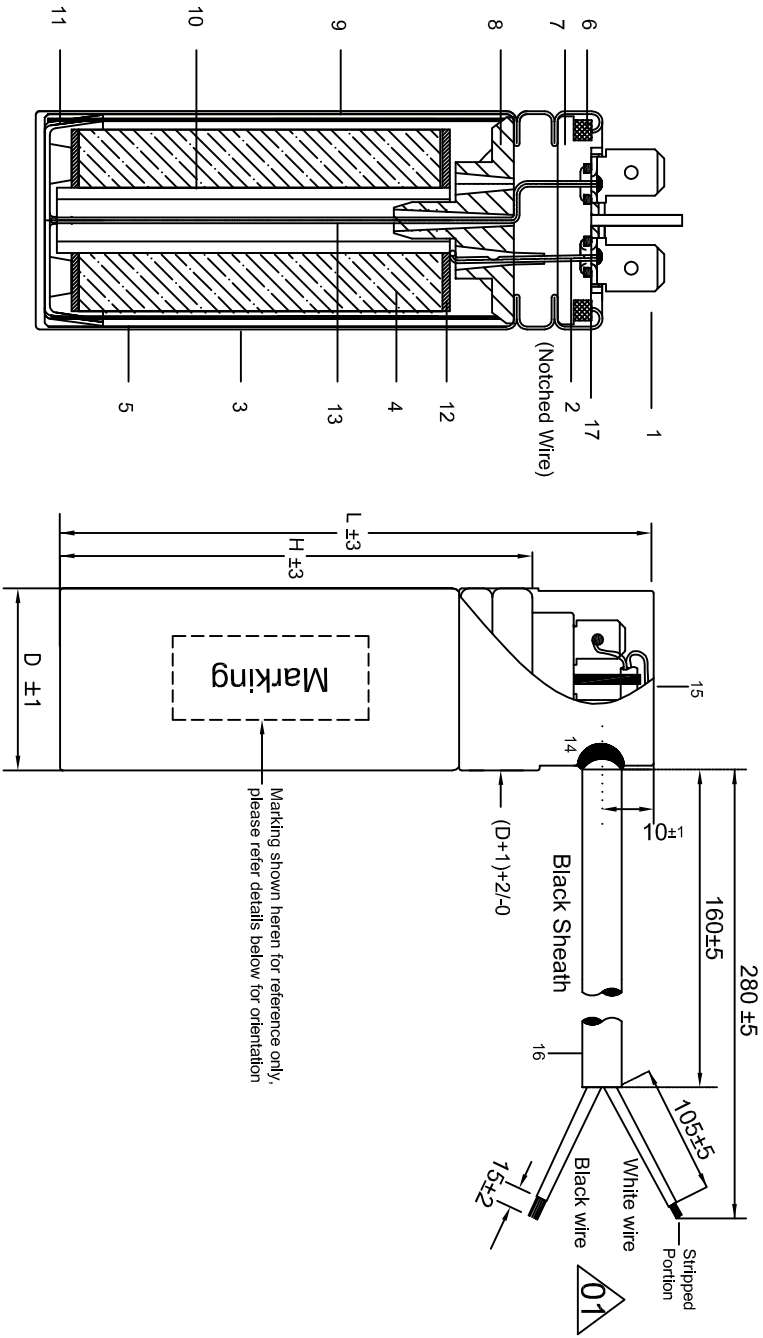
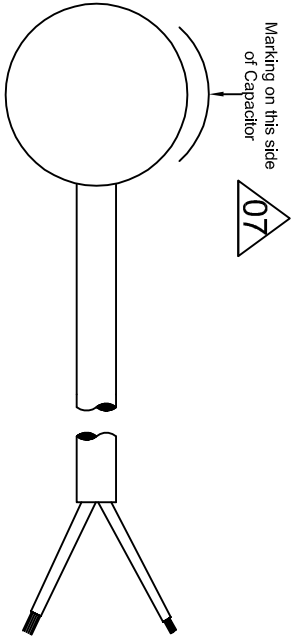


Table 2
List of components

Part Sr.No.	Part Description
1	Tin plated MS Double fast-on terminals 6.3x0.8 mm
2	Tin plated copper wire 18AWG
3	Aluminium Can
4	MPP Film Capacitor Element
5	Polyester Film for Insulation
6	Rubber Ring
7	Top Material UL 94 V0, IEC60335-1 compliance
8	Upper Insulation
9	Polyurethane Resin
10	Plastic Core
11	Bottom Insulation
12	Zinc Spray
13	Tin coated copper wire 19 SWG
14	Rubber Gromet
15	Aluminium Cap
16	Twin core cable 2/C 16 AWG (1.31MM²) 90°C (UL) UL File No WATER RESISTANT SOOW
17	Rubber Ring For Lug



Grundfos Drawing Ref. ID 78 58

General tolerance		Surface quality		Scale: NTS		All dimensions are in mm	
06	Marking orientation updated	10.08.21	SFD	Material : Refer Table No.2		Customer:	
07	Cable joining matter updated	26.09.20	SFD	MPP CAPACITOR SAFE DEVICE		AL CAN CAPACITOR DFO WITH CAP , CABLE	
06	Marking confirmed	02.01.18	SFD	Date		23.03.10	
06	8 CDC removed from marking	08.03.16	VGS	Drawn		BSR	
06	P2 to S2 changed, OE marking added	30.10.13	VGS	Checked		RBE	
04	Tolerance changed from ±10 to ±5%	11.09.12	VGS	Standard		EN 60252	
02	Marking orientation defined	27.08.12	VGS	Material		MPP CAPACITOR SAFE DEVICE	
01	Wire / cable specifications revised	07.02.12	VGS	Date		23.03.10	
01	Wire color and wire details changed	07.02.12	VGS	Name		RBE	
Riv.	Modification	Date	Name	Drawing no. GA1017-8		Page 1 of 2	

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Table 1
Ratings and dimensions

Rating 'C' in $\mu F \pm 5\%$ / V _{RMS}	TDK Part No.	Diameter (ϕD) in mm ± 1	Finished height (H) in mm ± 3 mm	Total Height (L) in mm ± 3 mm	Loss Factor limit (tan δ) at 1KHz	Grundfos Part no.
50 / 450	B32333B6506J060	53	132	149	< 0.0070	-----

Table 3: Rating

Parameter	Specification
Rated Voltage	Refer 'table 1'.
Rated Capacitance	Refer 'table 1'.
Insulation Resistance	Between the terminals bound together and the casing > 1000 M Ohm
Withstand voltage	Between terminals 2.15 x rated VAC for 2 sec.
	Between terminals bound together and casing (2 x rated VAC)+(1000) VAC OR Min.2000 VAC for 2 sec.
Dielectric Loss	Refer 'Table 1'
Liquid tightness	8 Hrs' heating in an oven @ 95°C temerature. This should not result in leakage of the impregnant.
Maximum Working Temperature	At the portion of the capacitor casing surface where the highest temperature occurs: Not more than 85°C

Marking on capacitor



C_{uF} ± 5 % XXXX
No PCBs 450VAC B
400VAC A
E106388 B32333-XXX S2 PROTECTED
10000AFC IEC 60252-1 MKP SH
25/085/21 MADE BY EPCOS

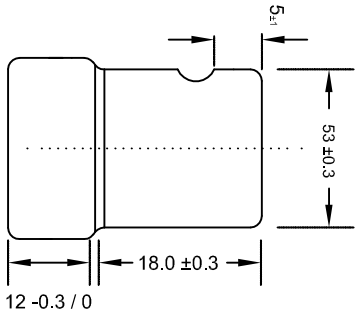


Nomenclatures in the above marking:

Cx - Rated Capacitance
V_{RMS} - Rated Voltage
Tx - Tolerance on capacitance
SH - Self Healing type MPP Capacitor
25/085/21 - Lower temperature limit is -25°C
- Upper temperature limit is 85°C
- Damp heat test - 21 days
ww.yyn - Batch number
XXXX - Grundfos part number, blank if no part
number is available
Part number - e.g. B32333-B...
B32333 XXX
Last two digit of part number
Revision status
First Six digit of part number
PO. No. - Production Order number

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Part 15 Aluminium Cap



Part 16 Two core cable 16 AWG

= Printing On Cable Sheath as per following Specification
As this Cable is cut from continuous Cable so full printing will not come on every Cable, some
Cable may have half printing.

Notes :- 1) Marking is with white RoHS compatible Ink
2) Marking should Visible



Ø9.4 ±0.2
2/C 16 AWG (1.31MMF) 90°C (UL) UL File No WATER RESISTANT SOOW CSA (-40°C) FT-2 P-7K-1

Grundfos Drawing Ref. ID 78 58

General tolerance		Surface quality		Scale: NTS	All dimensions are in mm	
06	Marking orientation updated	10.06.21	SMD		Material : Refer 'Table No.2	Customer:
07	Cable printing marker updated	30.09.20	SMD			
06	Marking consolidated.	02.01.16	SMD	23.03.10	MPP CAPACITOR SAFE DEVICE	
06	8 COC removed from marking	08.03.16	VGS	Drawn BSR		
05	P2 to S2 changed, CE marking added	30.10.13	VGS	Checked RBE	AL CAN CAPACITOR DFO WITH CAP , CABLE	
04	Tolerance changed from ±10 to ±5%	30.10.13	VGS	Standard EN 60252		
03	Marking orientation defined	11.09.12	VGS		Drawing no. GA1017-8	
02	Wire / cable specifications revised	27.08.12	VGS			
01	Wire color and wire details changed	07.02.12	VGS		Page 2 of 2	
Riv.	Modification	Date	Name			

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