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科技構造

PRT這個具有自癒功能的電容器系列由三個單相元件組成，這三個單相元件由金屬化聚丙烯薄膜製成，具有高梯度，三角方式接線和圓筒狀擠製鋁殼；同時以M12x12mm的固定套管將電容器接地。此電容器透過鋁殼上的鋼盤之珠狀物封閉起來，以確保完美的空氣及水緊密度。玻璃纖維加強尼龍支版直接緊密閉合安裝於鋼盤上，此支版可容納三個端子。



因此我們建議您在連接支版上方留下至少25mm的空間，以確保過壓裝置之正常運作。

PRT系列電容器同時也可以做為乾式電容器，乾式電容器並非標準存貨，因此須經要求後才會生產。若需要此種產品，請務必在下單時於產品編號前加上字母D。

若需要較低放電時間的產品，則需要使用快速放電電阻器（經要求後才會供應），以確保電容器能在幾秒內放電完畢。

安裝

電容器須透過固定M12套管以完成安裝。



CONSTRUCTION TECHNOLOGY

The self-healing capacitors in the PRT series consist of three single-phase elements made of metallized polypropylene film at high gradient with a delta connection and in a cylindrical casing of extruded aluminium, with a fixing spigot M12 x 12 mm used to earth the capacitor.

The capacitor is closed with the beading of the steel disc on the aluminium casing, ensuring perfect air and water tightness. The fibreglass-reinforced nylon strip is dielectrically assembled on the steel disc with an airtight fit. The strip accommodates the three terminals.



It is therefore recommended to leave at least 25 mm of clear space above the connecting strip to allow the overpressure device to work properly.

PRT capacitor series can also be realized in a dry version. Dry capacitors are not standard stock items but production is on request. In case of request the purchase order code must be completed with the letter "D" before product code.

If lower discharge times are required, it is necessary to use fast discharge resistors (supplied on request) that enable the capacitor to discharge in just a few seconds.

INSTALLATION

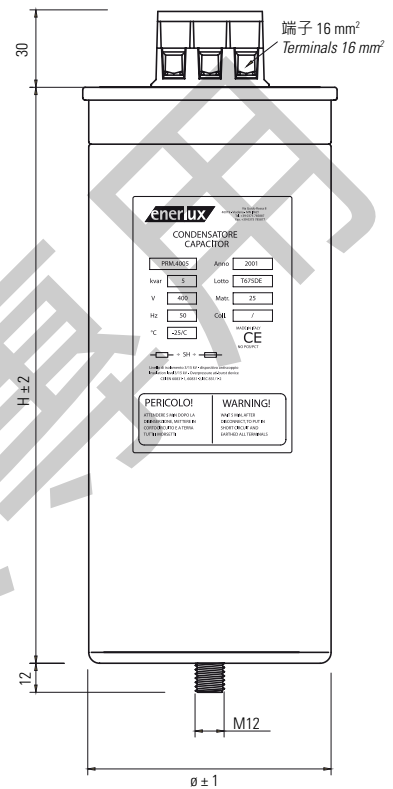
Installation must be performed by fixing the M12 spigot of the Capacitor.

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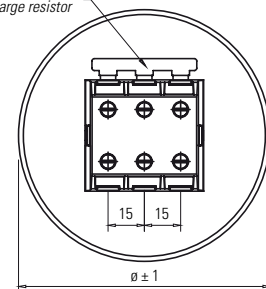
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PRODUCT" pag 20

編碼參考	kvar	V	A	μF	DIMENSIONI / DIMENSIONS		包裝 PCS
					Ø (mm)	H (mm)	
PRT.2350	5.0	230	12.59	3 x 100.3	75	238	12
PRT.2375	7.5	230	18.89	3 x 150.3	85	238	12
PRT.2310	10.0	230	25.13	3 x 200.6	100	238	15
PRT.2312	12.5	230	31.4	3 x 250.6	100	276	15
PRT.4005	5.0	400	7.20	3 x 32.2	75	163	12
PRT.4007	7.5	400	10.83	3 x 49.7	75	163	12
PRT.4010	10.0	400	14.40	3 x 66.3	75	201	12
PRT.4012	12.5	400	18.00	3 x 82.9	75	238	12
PRT.4015	15.0	400	21.60	3 x 99.5	85	201	12
PRT.4020	20.0	400	28.90	3 x 132.6	85	238	12
PRT.4025	25.0	400	36.08	3 x 165.8	100	238	15
PRT.4030	30.0	400	43.35	3 x 199.0	100	276	15
PRT.4040	40.0	400	57.80	3 x 266.6	120	238	6
PRT.4050	50.0	400	72.25	3 x 331.7	120	280	6
PRT.4105	5.0	415	6.96	3 x 30.8	75	163	12
PRT.4107	7.5	415	10.45	3 x 46.2	75	163	12
PRT.4110	10.0	415	13.93	3 x 61.6	75	201	12
PRT.4112	12.5	415	17.41	3 x 77.0	75	238	12
PRT.4115	15.0	415	20.90	3 x 92.4	85	201	12
PRT.4120	20.0	415	27.86	3 x 123.2	85	238	12
PRT.41250	25.0	415	34.82	3 x 154.0	100	238	15
PRT.4130	30.0	415	41.78	3 x 184.9	100	276	15
PRT.4140	40.0	415	55.71	3 x 246.5	120	238	6
PRT.4150	50.0	415	69.64	3 x 308.2	120	280	6
PRT.4405	5.0	440	6.56	3 x 27.4	75	163	12
PRT.4407	7.5	440	9.85	3 x 41.0	75	163	12
PRT.4410	10.0	440	13.13	3 x 54.8	75	201	12
PRT.4412	12.5	440	16.42	3 x 68.5	75	238	12
PRT.4414	14.0	440	18.39	3 x 76.7	75	238	12
PRT.4415	15.0	440	19.70	3 x 82.2	75	238	12
PRT.4420	20.0	440	26.28	3 x 109.6	85	238	12
PRT.4425	25.0	440	32.85	3 x 137.0	100	238	15
PRT.4428	28.1	440	34.82	3 x 154.0	100	238	15
PRT.4430	30.0	440	39.42	3 x 164.0	100	238	15
PRT.4440	40.0	440	52.50	3 x 219.3	120	238	6
PRT.4450	50.0	440	65.69	3 x 274.1	120	238	6
PRT.4805	5.0	480	6.02	3 x 23.0	75	163	12
PRT.4810	10.0	480	12.04	3 x 46.0	75	201	12
PRT.4812	12.5	480	15.05	3 x 57.6	75	238	12
PRT.4815	15.0	480	18.06	3 x 69.1	75	238	12
PRT.4820	20.0	480	24.08	3 x 92.1	85	238	12
PRT.4825	25.0	480	30.10	3 x 115.2	100	238	15
PRT.5205	5.0	525	5.51	3 x 19.2	75	201	12
PRT.5207	7.5	525	8.26	3 x 28.9	75	163	12
PRT.5210	10.0	525	11.01	3 x 38.5	75	201	12
PRT.5212	12.5	525	13.76	3 x 48.1	75	238	12
PRT.5215	15.0	525	16.52	3 x 57.7	85	238	12
PRT.5219	19.0	525	20.46	3 x 71.3	85	238	15
PRT.5220	20.0	525	22.02	3 x 77.0	85	238	15
PRT.5225	25.0	525	27.53	3 x 96.2	100	238	15
PRT.5237	37.1	525	40.84	3 x 143	100	276	15
PRT.6910	10.0	690	8.38	3 x 22.3	75	238	12
PRT.6912	12.5	690	10.47	3 x 27.8	75	238	12
PRT.6915	15.0	690	12.57	3 x 33.4	85	238	12
PRT.6920	20.0	690	16.75	3 x 44.5	100	238	15
PRT.6925	25.0	690	20.92	3 x 56.0	100	238	15

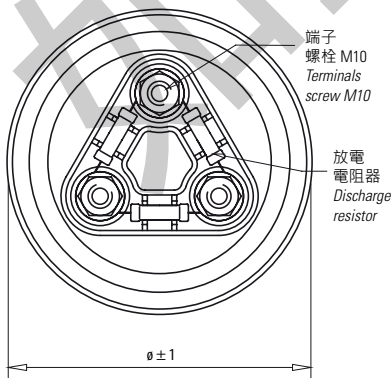
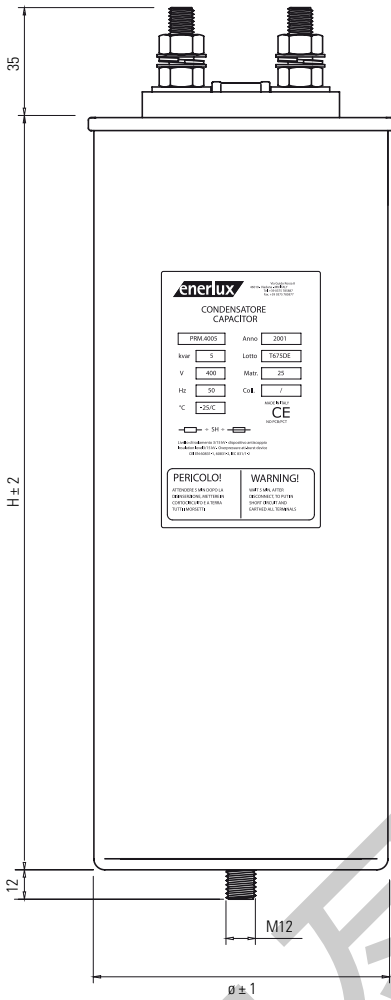
PRT



放電電阻器
Discharge resistor



電容器 ϕ 120 mm
Capacitor ϕ 120 mm



技術性資訊

TECHNICAL PARTICULARS



額定電壓 (Un)	230 - 400 - 415 - 440 - 480 - 525 - 690 V	Rated voltage (Un)
額定頻率	50 Hz (60 Hz 須特別要求) - 50 Hz (60 Hz on request)	Rated frequency
電容值誤差	- 5% ÷ + 10%	Tolerance on capacitance
溫度等級	- 25 °C / + 55 °C	Temperature class
介電質損耗	≤ 0,2 W/kvar	Dielectric losses
總損耗(端子部分)	≤ 0,4 W/kvar	Total losses (at the terminals)
絕緣等級	1,5 In	Insulation level
最大允許電流	3/15 kV Ue ≤ 660 Vac	Max. permitted current
暫態電流之最大峰值	≤ 200 In	Maximum peak value of the current transient
端子間電壓測試	2,15 Un per 2" - 2,15 Un for 2"	Voltage test between the terminals
端子及容器間電壓測試	3,6 kV per 10"	Voltage test between the terminals and container
端子	Fastom	Terminals
放電電阻器	外部 (三分鐘內減少至 75 V) External (reduction to 75 V within 3 min)	Discharge resistors
服務	持續 - Continuous	Service
安裝	室內 - Indoor	Installation
冷卻	自然或強制送風 - Natural or forced air	Cooling
最大允許濕度	80%	Max permissible humidity
海拔	≤ 2000 (m s.l.m. - m a.s.l.)	Altitude
防護等級	IP 20 (ø 75-85-100) IP00 (ø 120)	Degree of protection
預期壽命	>130.000 h (classe D) - >150.000 h (classe C)	Expected life
固定	以 M12 套管固定 With M12 spigot in any position	Fixing
參考標準	CEI EN 60831-1/2, IEC 60831-1/2	Reference standards
操作開關數	依據 IEC 60831-1, 每年可切換最多 5000 次 Max 5000 switchings per year according to IEC 60831-1	Number of switching operation

其他特性可經要求後生產。

Other characteristics can be made on request.