

Alpican™

resin filled capacitors



4151 10



4151 23

Dimensions (p. 127)
Technical data (p. 125)

Resin filled 440 V standard duty:

- Conforms to IS 13340-1, IEC 60831-1&2
- ISI marked
- Compact design
- Self healing metallized polypropylene film
- Over pressure device for disconnection
- Low energy losses
- Resistance to high temperatures
- Bio-degradable soft resin, semi-dry

Resin filled 440 V heavy duty:

- Conforms to IS 13340-1, IEC 60831-1&2
- ISI marked
- Compact design
- Self healing metallized polypropylene film
- Over pressure device for disconnection
- Low energy losses
- Resistance to high temperatures
- Bio-degradable soft resin, semi-dry

Pack Cat.Nos Standard duty Resin filled capacitor 440 V, 3 phase, 50 Hz

| Pack | Cat.Nos | Value |
|------|----------------|-----------|
| 1/12 | 4151 00 | 1 kVAr |
| 1/12 | 4151 01 | 2.1 kVAr |
| 1/12 | 4151 02 | 3 kVAr |
| 1/12 | 4151 03 | 4.2 kVAr |
| 1/12 | 4151 04 | 5 kVAr |
| 1/6 | 4151 05 | 7.5 kVAr |
| 1/4 | 4151 06 | 10 kVAr |
| 1/4 | 4151 07 | 12.5 kVAr |
| 1/4 | 4151 08 | 15 kVAr |
| 1/4 | 4151 09 | 20 kVAr |
| 1/4 | 4151 10 | 25 kVAr |
| 1/4 | 4151 11 | 30 kVAr |

Pack Cat.Nos Heavy duty Resin filled capacitor 440 V 3 phase

| Pack | Cat.Nos | Value |
|------|----------------|-----------|
| 1/12 | 4151 12 | 1 kVAr |
| 1/12 | 4151 13 | 2.1 kVAr |
| 1/6 | 4151 14 | 3 kVAr |
| 1/6 | 4151 15 | 4.2 kVAr |
| 1/6 | 4151 16 | 5 kVAr |
| 1/4 | 4151 17 | 7.5 kVAr |
| 1/4 | 4151 18 | 10 kVAr |
| 1/4 | 4151 19 | 12.5 kVAr |
| 1/2 | 4151 20 | 15 kVAr |
| 1/4 | 4151 21 | 20 kVAr |
| 1/2 | 4151 22 | 25 kVAr |
| 1/2 | 4151 23 | 30 kVAr |

Alpican™

gas filled capacitors



4151 29

Dimensions (p. 127)
Technical data (p. 125)

Gas filled 440 V heavy duty:

- Conforms to IS 13340-1, IEC 60831-1&2
- Compact design
- Self healing metallized polypropylene film
- Over pressure device for disconnection
- Low energy losses
- Dry inert gas filled

Pack Cat.Nos Heavy duty gas filled capacitor 440 V, 3 phase, 50 Hz

| Pack | Cat.Nos | Value |
|------|----------------|-----------|
| 1/4 | 4151 24 | 5.2 kVAr |
| 1/4 | 4151 25 | 7.3 kVAr |
| 1/4 | 4151 26 | 8.8 kVAr |
| 1/4 | 4151 27 | 10.5 kVAr |
| 1/4 | 4151 28 | 12.6 kVAr |
| 1/4 | 4151 29 | 17.5 kVAr |
| 1/4 | 4151 30 | 21 kVAr |
| 1/4 | 4151 31 | 25.2 kVAr |

Alpican™

resin filled standard duty & heavy duty capacitors

■ Technical specifications

Resin filled standard duty capacitors

- Standards : IS 13340-1993, IS 13341-1992, IEC-60831-1&2
- Rated Voltage : 440 V & 525 V
- Frequency : 50/60 Hz
- Power range : 1 to 30 kVAr
- Losses(Dielectrical) : < 0.20 W/kVAr
- Losses (Total) : < 0.45 W/kVAr
- Peak inrush current : 200*In
- Over voltage : UN+10 % for 8 Hrs in 24 Hrs
- Over current : 1.3 * In
- Mean life expectancy : upto 1,00,000 h at temp level D
- Capacitance tolerance : +10 %
- Voltage test between terminals : 1.75*Un , AC, 2S as per IS
- Voltage test between earth & terminals : 3.6 KV, AC, 2S as per IS
- Discharge resistors : Fitted: standard discharge time less than at residual voltage of 50 V, 60 second as per IS
- Safety : Self healing + pressure sensitive disconnecter + discharge device
- Protection : IP20
- Casing : Aluminium Can
- Dielectric : Metallized Polypropylene film
- Impregnation : NCPB
Soft polyurethane Resin
- Ambient temperature : -10 °C / + 55 °C (Class D)
- Humidity : 95 %
- Altitude : 4000 m above sea level
- Mounting : Indoor,vertical position
- Fixing and earthing : Threaded M12 stud at bottom
- Switching life : Maximum 5000 per year

Resin filled heavy duty capacitors

- Standards : IS 13340-1993, IS 13341-1992, IEC 60831-1/-2, IEC-60831-1&2
- Rated Voltage : 440 V
- Frequency : 50/60 Hz
- Power range : 1 to 30 kVAr
- Losses(Dielectrical) : < 0.20 W/ kVAr
- Losses (Total) : < 0.5 W/ kVAr
- Peak inrush current : 250*In
- Over voltage : UN+10% for 8 Hrs in 24 Hrs
- Over current : 1.5 to 1.8 * In
- Mean life expectancy : upto 1,15,000 h at temp level D
- Capacitance tolerance : +10 %
- Voltage test between terminals : 1.75*Un , AC, 2S as per IS
- Voltage test between earth & terminals : 3.6 KV, AC, 2S as per IS
- Discharge resistors : Fitted: standard discharge time less than at residual voltage of 50 V, 60 second as per IS
- Safety : Self healing + pressure sensitive disconnecter + discharge device
- Protection : IP20
- Casing : Aluminium Can
- Dielectric : Metallized Polypropylene film
- Impregnation : NCPB
Soft polyurethane Resin
- Ambient temperature : -10 °C / + 55 °C (Class D)
- Humidity : 95 %
- Altitude : 4000 m above sea level
- Mounting : Indoor,vertical position
- Fixing and earthing : Threaded M12 stud at bottom
- Switching life : Maximum 6000 per year

Contactors compatible with Legrand capacitors

Standard duty 440 V (resin)

| Cat.Nos | kVAr | Current | Contacteur Cat.Nos |
|---------|-----------|---------|--------------------|
| 4151 00 | 1 kVAr | 1.3 | J101211 |
| 4151 01 | 2.1 kVAr | 2.8 | J101211 |
| 4151 02 | 3 kVAr | 3.9 | J101211 |
| 4151 03 | 4.2 kVAr | 5.5 | J101211 |
| 4151 04 | 5 kVAr | 6.6 | J101211 |
| 4151 05 | 7.5 kVAr | 9.8 | J101211 |
| 4151 06 | 10 kVAr | 13.1 | J101211 |
| 4151 07 | 12.5 kVAr | 16.4 | J101811 |
| 4151 08 | 15 kVAr | 19.7 | J101811 |
| 4151 09 | 20 kVAr | 26.2 | J102011 |
| 4151 10 | 25 kVAr | 32.8 | J103021 |
| 4151 11 | 30 kVAr | 39.4 | J103021 |

Heavy duty 440 V (resin)

| Cat.Nos | kVAr | Current | Contacteur Cat.Nos |
|---------|-----------|---------|--------------------|
| 4151 12 | 1 kVAr | 1.3 | J101211 |
| 4151 13 | 2.1 kVAr | 2.8 | J101211 |
| 4151 14 | 3 kVAr | 3.9 | J101211 |
| 4151 15 | 4.2 kVAr | 5.5 | J101211 |
| 4151 16 | 5 kVAr | 6.6 | J101211 |
| 4151 17 | 7.5 kVAr | 9.8 | J101211 |
| 4151 18 | 10 kVAr | 13.1 | J101211 |
| 4151 19 | 12.5 kVAr | 16.4 | J101811 |
| 4151 20 | 15 kVAr | 19.7 | J101811 |
| 4151 21 | 20 kVAr | 26.2 | J102011 |
| 4151 22 | 25 kVAr | 32.8 | J103021 |
| 4151 23 | 30 kVAr | 39.4 | J103021 |

Heavy duty 440 V (gas)

| Cat.Nos | kVAr | Current | Contacteur Cat.Nos |
|---------|-----------|---------|--------------------|
| 4151 24 | 5.2 kVAr | 6.8 | J101211 |
| 4151 25 | 7.5 kVAr | 9.6 | J101211 |
| 4151 26 | 8.8 kVAr | 11.5 | J101211 |
| 4151 27 | 11.5 kVAr | 13.8 | J101211 |
| 4151 28 | 12.6 kVAr | 16.5 | J101811 |
| 4151 29 | 17.5 kVAr | 23 | J101811 |
| 4151 30 | 21 kVAr | 27.6 | J102011 |
| 4151 31 | 25.2 kVAr | 33.1 | J103021 |

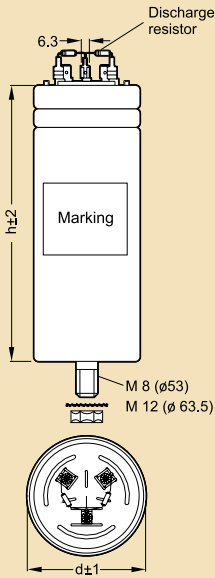
Standard duty 525 V (resin)

| Cat.Nos | kVAr | Current | Contacteur Cat.Nos |
|---------|-----------|---------|--------------------|
| 4151 32 | 5 kVAr | 5.5 | J101211 |
| 4151 33 | 8.3 kVAr | 9.1 | J101211 |
| 4151 34 | 10.4 kVAr | 11.4 | J101211 |
| 4151 35 | 12.5 kVAr | 13.7 | J101211 |
| 4151 36 | 16.7 kVAr | 18.4 | J101811 |
| 4151 37 | 20.8 kVAr | 22.9 | J102011 |
| 4151 38 | 25 kVAr | 27.5 | J103021 |

Note: Legrand recommends the use of INDOASIAN- CAPACITOR DUTY CONTACTORS for Legrand capacitors

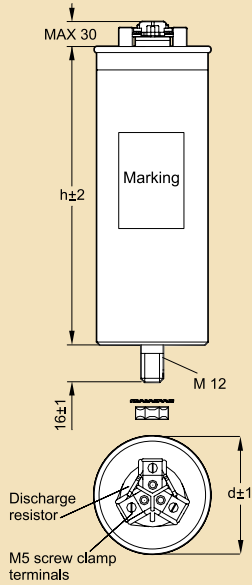
Alpican™ resin filled capacitors

■ Dimensions



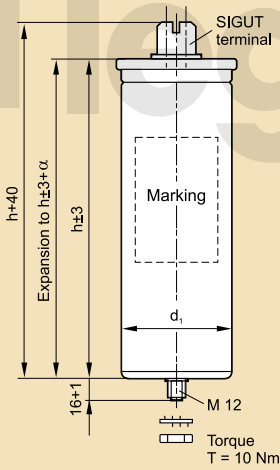
440 V Resin filled std duty

| Cat.Nos | Dimensions | |
|---------|------------|--------|
| | Diameter | Height |
| 4151 00 | 53 | 117 |
| 4151 01 | 53 | 117 |
| 4151 02 | 63.5 | 129 |
| 4151 03 | 63.5 | 129 |
| 4151 04 | 63.5 | 152 |



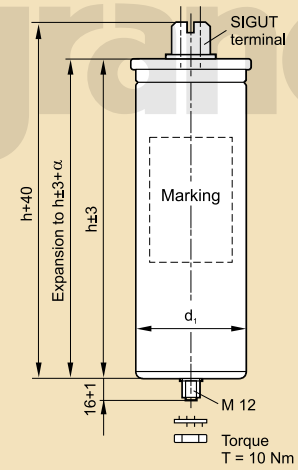
440 V Resin filled std duty

| Cat.Nos | Dimensions | |
|---------|------------|--------|
| | Diameter | Height |
| 4151 05 | 78.4 | 195 |
| 4151 06 | 88.4 | 195 |
| 4151 07 | 88.4 | 270 |
| 4151 08 | 88.4 | 270 |
| 4151 09 | 88.4 | 345 |
| 4151 10 | 93.5 | 345 |
| 4151 11 | 93.5 | 345 |



**440 V Resin filled heavy duty
Can diameter up to 90 mm**

| Cat.Nos | Dimensions | |
|---------|------------|--------|
| | Diameter | Height |
| 4151 12 | 53 | 117 |
| 4151 13 | 63.5 | 129 |
| 4151 14 | 78.4 | 195 |
| 4151 15 | 78.4 | 195 |
| 4151 16 | 78.4 | 195 |
| 4151 17 | 88.4 | 270 |
| 4151 18 | 88.4 | 270 |



**440 V Resin filled heavy duty
Can diameter above 90 mm**

| Cat.Nos | Dimensions | |
|---------|------------|--------|
| | Diameter | Height |
| 4151 19 | 93.5 | 270 |
| 4151 20 | 105.5 | 280 |
| 4151 21 | 121.5 | 280 |
| 4151 22 | 121.5 | 325 |
| 4151 23 | 142 | 325 |

