

Model Comparison

| Model | VRRM VDRM(V) | ITAVIFAV(A) |
|------------|--------------|-------------|
| CTD500GK12 | 1200 | 430 |
| CTD500GK14 | 1400 | 430 |
| CTD500GK16 | 1600 | 430 |
| CTD500GK18 | 1800 | 430 |
| CTD500GK20 | 2000 | 430 |
| CTD500GK22 | 2200 | 430 |

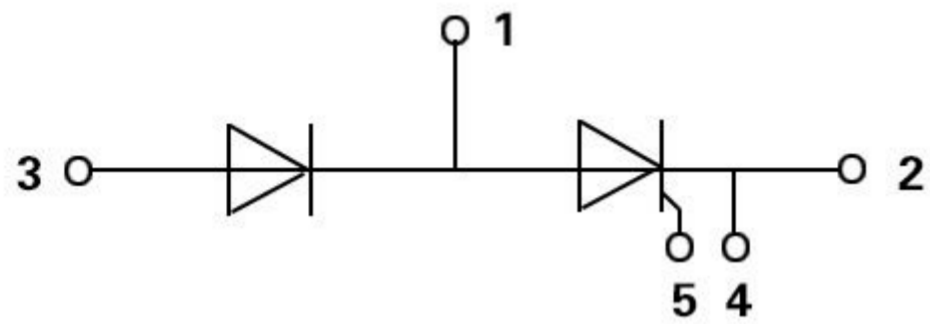
Summary of Features

- Pressure contact technology for high reliability
- Industrial standard package
- Electrically insulated baseplate
- Short on fail
- Highest robustness

Benefits

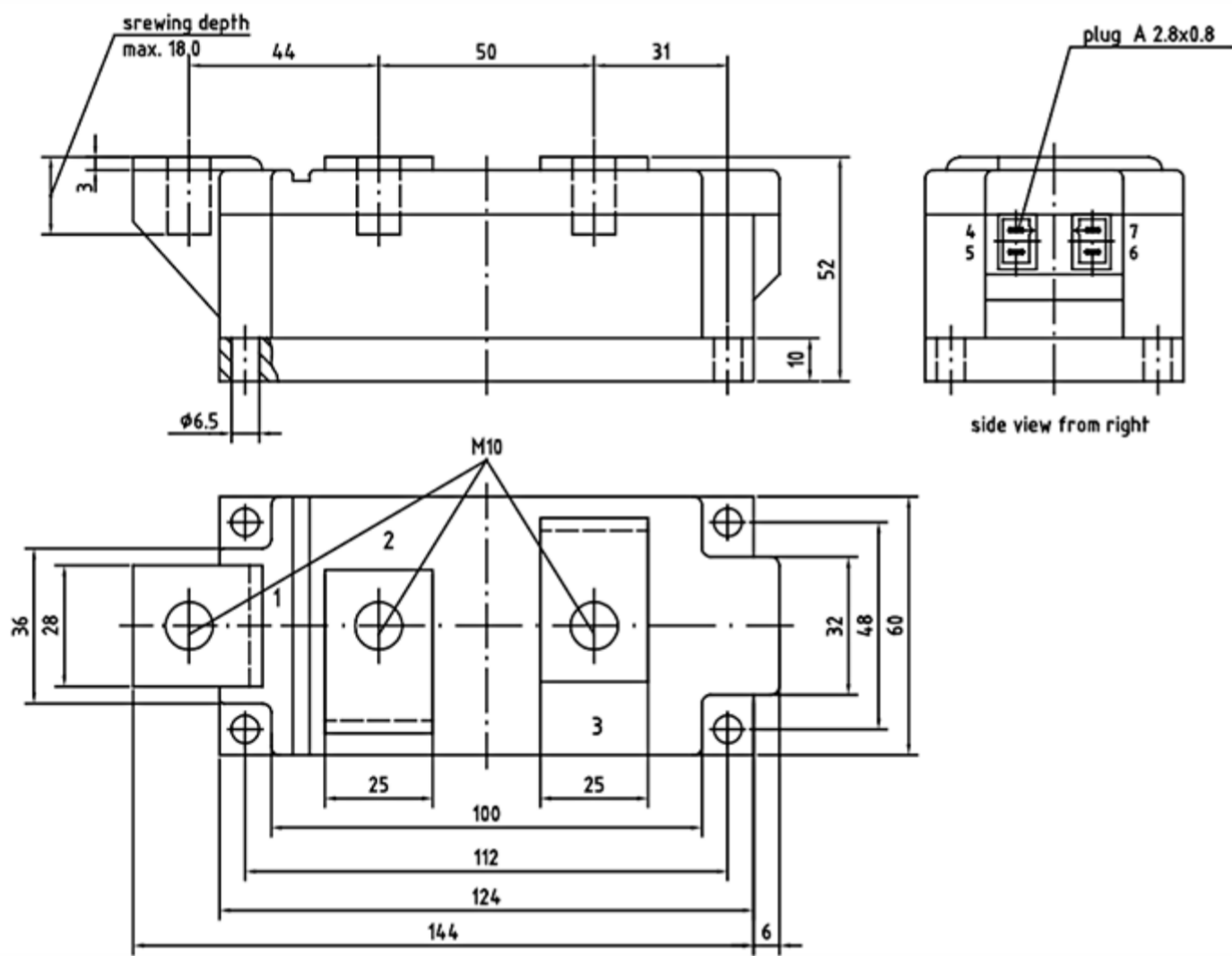
- Designed for high overload and power cycling requirements
- High DC blocking stability over whole lifetime
- High surge current capability especially for short grid spikes
- One supplier for a broad range of Power Block Modules

Internal Circuit



Package Dimension

Dimensions in Millimeters



Parameters

| Parametrics | CTD500GK12~22 |
|--|----------------|
| $V_{DRM} V_{RRM}$ | 1200~2200V |
| $I_{TAV} I_{FAV}$ @TC | 430A |
| T_C | 85°C |
| $I_{TSM} I_{FSM}$ @10ms, T_{vj} max | 14000A |
| $V_{(T0)}$ @ T_{vj} max | 0.95V |
| Package style Outline drawings | ITE |
| Replace | TD430N12~22KOF |