

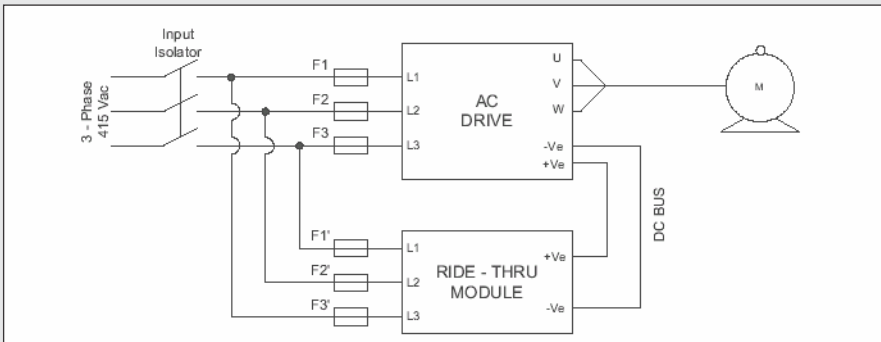
iDip

Today there is extensive use of VFD in all industries for controlling motor RPM. However when VFD experiences dip in Input supply below specified limit it trips. Results into disturbance in running batch , continuous process, quality etc. It results into huge loss of material, labor and valuable production time

iDip - power dip ride thru solution avoids tripping of VFD and maintains the motor operating RPM constant in case input supply is observing dip, helps in reducing productive machine hours as well as generation of scrap.

It supports the VFD operation when input three phase reduce to zero or any one phase reduces to zero keeping balance two phases in healthy condition for 2 secs.

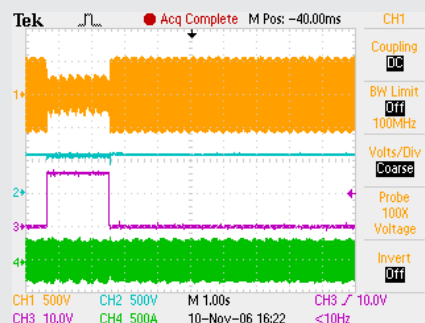
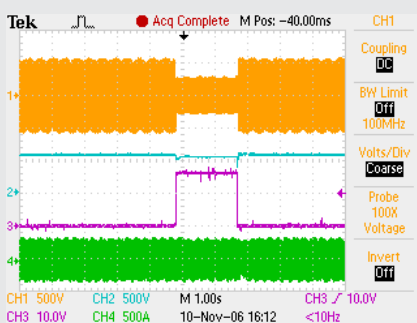
Field Connection of Ride-Thru Module with AC Drive



Main features of iDip

In case of dip in input supply iDip static switch switches on instantaneously and maintains the DC bus voltage of VFD. As long as DC bus is kept healthy VFD output will remain constant.

- 1) Easy to connect on any make of VFD in which iDip DC voltage termination is possible.
- 2) Possibility to connect common DC bus of any paper m/c, Steel m/c or similar system.
- 3) When more VFDs are operating through one feeder than common iDIP can be designed.
- 4) Very safe to connect to VFD as it shall be active only when there is power dip otherwise it is isolated from VFD by static switch.
- 5) Since it is not continuous unit it consumes very less power.



iDip



PARAMETER	SPECIFICATION
Input AC Line Voltage	415VAC±10%, 3 phase, 50/60 Hz
Output DC Bus Voltage	540VDC nominal, 520VDC regulated
Power Rating (kW)	50 90 150 200 250
DC Bus Current Rating (Amps)	96 173 288 385 481
Duty Cycle	No more than for 2-second per minute per hour.
Power Connections	3 Ph AC line I/p, Dc Bus o/p
Inactive Power Consumption	<200 Watts
iDip Requirement	50% dip of all 3 phases, Duration: 2 sec., or 100% loss of one phase and remaining 2 phases at rated voltage, Duration: 2 sec.
DC bus Threshold	Factory set to 520VDC (Adjustable)
Operating temperature (max)	45°C
Status Output Contacts	Individually isolated normally open, Normally closed contact (0.6A @125VAC, 2A @ 30VDC)
Test Input	Momentary contact
Display Card	Optional
Storage temp.	-20°C to +65°C
Humidity	Below 90 % non-condensing
Atmosphere	Free of gas & dust

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In the spirit of innovation, specifications and features are subject to change without notice.

