

Data Sheet



Three Phase dv/dt Reactor- PQDT Series

Description

These series range of dv/dt reactors are designed to reduce drive output voltage and thus increasing motor service life. These reactors provide efficient motor protection.

Features

- ▶ dv/dt reduction
- ▶ Reduction of voltage stress at the motor
- ▶ Protection of motor coil insulation from premature aging and destruction
- ▶ Easy to install
- ▶ Compact Design
- ▶ Comply with Industry standards



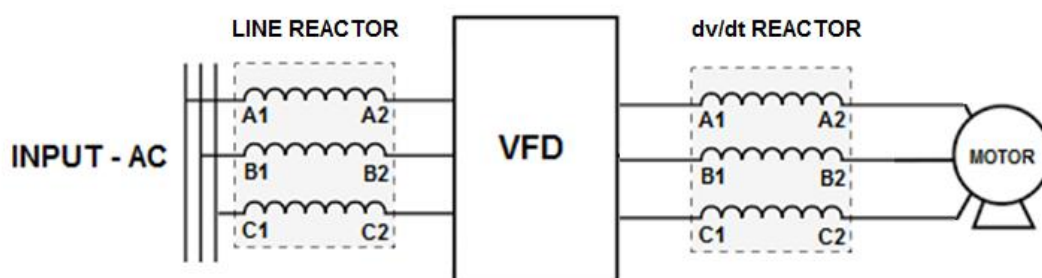
Applications

- ▶ Motor Drive application with short cable length
- ▶ Frequency Converters for Motor Drive like Elevators, pumps.
- ▶ Machinery comprise of Servo motors.

Technical Specifications

Maximum Continuous Operating Voltage	: 400VAC
Operating Frequency	: 50Hz
Current ratings	: 4A to 100A
Impedance	: 0.8% at 400VAC, 50Hz and rated current
Switching frequency	: 2 to 16KHz
High Potential test voltage	: 3000 VAC for 2 sec
Overload Capability	: 1.5 times of rated current for 1 Minute once per hour
Design Corresponding to	: EN 61558-2-20, EN 60076-6
Temperature range	: -25°C to +85°C
Climatic Category	: 25/85/21
Type of Cooling	: Natural Cooling AN
Protection Category	: IP 00
Insulation Class	: Class F
Motor Cable length	: 30 meters max.

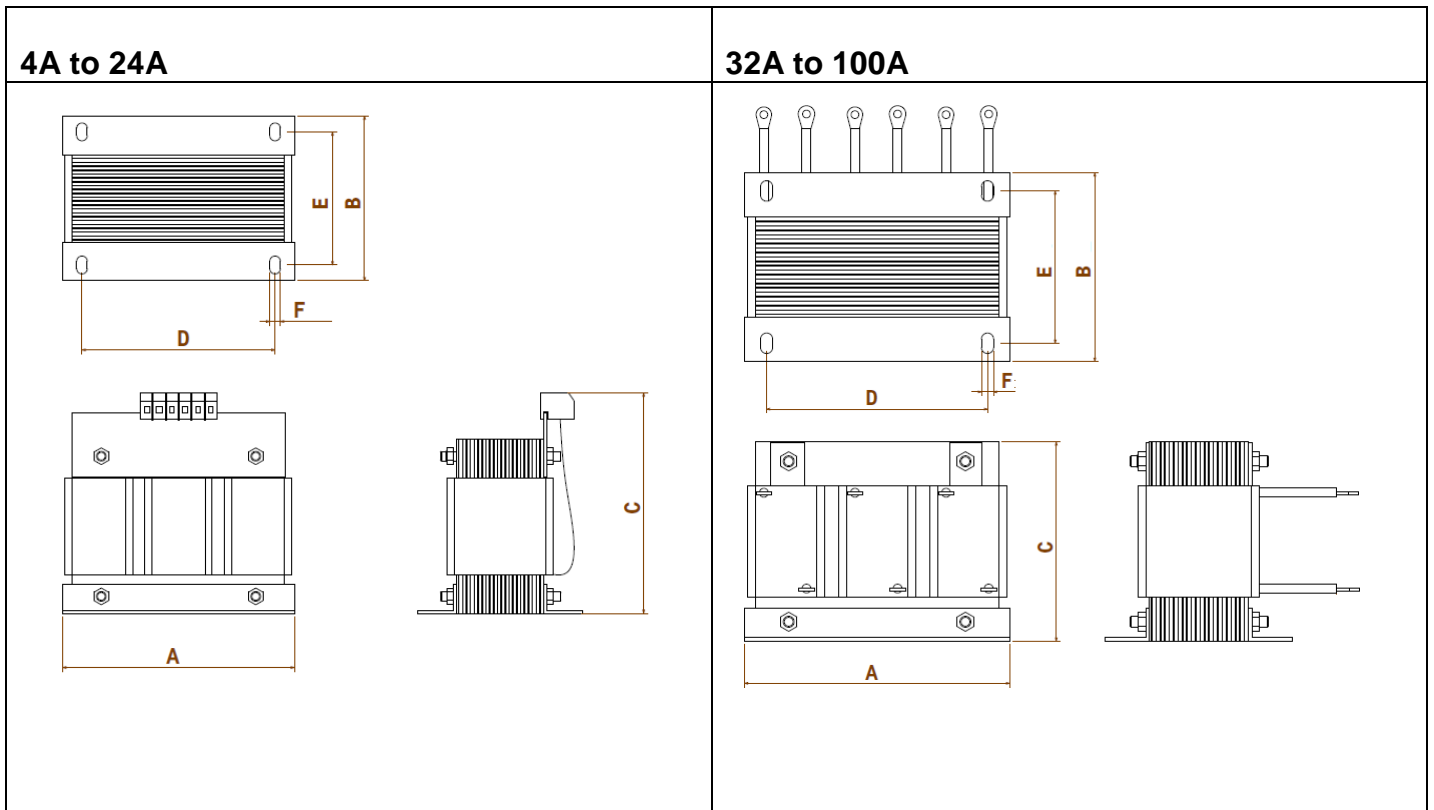
Connection Diagram



Technical Data

Part Number	Rated Current @40°C	Rated Power @400V (KW)	Inductance (mH)	Termination
PQDT-3D00410470	4A	1.5	1.47	Connector
PQDT-3D00600980	6A	2.2	0.98	Connector
PQDT-3D00800740	8A	3	0.74	Connector
PQDT-3D01000590	10A	4	0.59	Connector
PQDT-3D01400420	14A	5.5	0.42	Connector
PQDT-3D01700346	17A	7.5	0.346	Connector
PQDT-3D02400245	24A	11	0.245	Connector
PQDT-3D03200184	32A	15	0.184	Lugs
PQDT-3D03700159	37A	18.5	0.159	Lugs
PQDT-3D04500131	45A	22	0.131	Lugs
PQDT-3D06000098	60A	30	0.098	Lugs
PQDT-3D07200082	72A	37	0.082	Lugs
PQDT-3D09000065	90A	45	0.065	Lugs
PQDT-3D10000058	100A	55	0.058	Lugs

Mechanical Drawing



Mechanical Dimensions

Part Number	A(±2)	B(±5)	C(±5)	D(±2)	E(±5)	F(±0.25)
PQDT-3D00410470	124	70	130	109	50	12x6
PQDT-3D00600980	124	70	130	109	50	12x6
PQDT-3D00800740	124	70	130	109	50	12x6
PQDT-3D01000590	124	70	130	109	50	12x6
PQDT-3D01400420	140	72	130	124	52	12x6
PQDT-3D01700346	140	72	130	124	52	12x6
PQDT-3D02400245	140	77	130	124	57	12x6
PQDT-3D03200184	144	72	140	129	52	12x6
PQDT-3D03700159	144	85	140	129	65	12x6
PQDT-3D04500131	144	98	140	129	78	12x6
PQDT-3D06000098	144	98	140	129	78	12x6
PQDT-3D07200082	144	110	140	129	90	12x6
PQDT-3D09000065	200	82	165	186	62	15x8.5
PQDT-3D10000058	200	82	165	186	62	15x8.5

**All dimensions are in mm*

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