

TeSys BV4 Motor Circuit Protector

Compact protection ideal for pumping applications & high efficiency motors.



The compact size of the TeSys BV4 motor circuit protectors, combined with its adjustable settings for motor inrush, make it an ideal solution for pumping control when paired with either TeSys motor starters or Square D NEMA motor starters.

Features & Benefits

UL 489 Motor Circuit Protector

Magnetic only circuit protection for use with a contactor and overload relay. See Type D combinations to select.

Adjustable Motor Inrush Protection

Protection level is easily adjusted to accommodate various motor types.

Compact Size

TeSys BV4 saves space with 3.19" (81mm) width.

Better Wiring Connections

The EverLink terminal maintains compression on the wire over time, reducing heat.

Easy to Install

- DIN rail and panel mount ready without additional accessories.
- Field installable auxiliaries, shunt trip and undervoltage release.

Applications

Water/Waste Water Pumping Applications

Type D combination tested with NEMA rated Type S starters or NEMA rated TeSys N starters.

Oil and Gas Pumping Applications

Type D combination tested with NEMA rated Type S and TeSys N starters.











Ideal for NEMA Design A, E & Premium Efficiency Motor Applications

- Higher efficiency motors often have higher motor starting inrush.
- Adjustable motor inrush setting helps avoid nuisance tripping associated with high starting inrush.



Choose the right solution for your pumping application.

TeSys BV4 Motor Circuit Protectors have Type D combination ratings with proven motor starters to deliver various features & benefits, giving customers the option to select the right choice for their application.

 Cost Effective	 Efficient Flexibility	 Efficient Performance	 Extended Performance	 Advanced Protection
<p>With IEC Starter</p> <ul style="list-style-type: none"> Compact and trusted TeSys D starter 	<p>With IEC Starter</p> <ul style="list-style-type: none"> TeSys D Green contactors with wide coil voltage range covers 100-240V TeSys LR9D overload relays with wide FLA dial setting 	<p>With compact NEMA Starter</p> <ul style="list-style-type: none"> TeSys N contactors meet NEMA spec in compact size TeSys LR9D or LRD overload relays 	<p>With traditional NEMA Starter</p> <ul style="list-style-type: none"> Trusted Type S NEMA starter for extended performance Wide FLA dial range of MotorLogic overload relays 	<p>With advanced NEMA Starter</p> <ul style="list-style-type: none"> Trusted Type S NEMA starter TeSys T Motor Management protects against dry running, impeller jam, cavitation, bearing failure and more
				

Part Number Selection					
	Cost Effective *	Efficient Flexibility *	Efficient Performance*	Extended Performance	Advanced Protection
5HP, 480V 3-Phase, using 120V AC control					
Motor Circuit Protector	BV4T013J	BV4T013J	BV4T013J	BV4T013J	BV4T013J
Contactor	LC1D09G7	LC1D09KUE	T02CN13G7	8536SCO3V02H300S (includes 6-18A OL)	8536SCO3V02H622S (includes 1.35-27A OL)
Overload Relay	LRD12 (5.5-8A OL)	LR9D32 (6.4-32A OL)	LR9D32 (6.4-32A OL)		
SCCR (kA)	65	65	65	100	100
10HP, 480V 3-Phase, using 120V AC control					
Motor Circuit Protector	BV4T025J	BV4T025J	BV4T025J	BV4T025J	BV4T025J
Contactor	LC1D18G7	LC1D18KUE	T02CN13G7	8536SCO3V02H30S (includes 9-27A OL)	8536SCO3V02H622S (includes 1.35-27A OL)
Overload Relay	LRD21 (12-18A OL)	LR9D32 (6.4-32A OL)	LR9D32 (6.4-32A OL)		
SCCR (kA)	65	65	65	100	100
20HP, 480V 3-Phase, using 120V AC control					
Motor Circuit Protector	BV4T050J	BV4T050J	BV4T050J	BV4T050J	BV4T050J
Contactor	LC1D32G7	LC1D32KUE	T02CN13G7	8536SDO1V02H30S (includes 15-45A OL)	8536SDO1V02H632S (includes 5-100A OL)
Overload Relay	LRD32 (23-32A OL)	LR9D32 (6.4-32A OL)	LRD332L (23-32A OL)		
SCCR (kA)	65	65	100	100	100

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* TeSys BV4 Type D combinations with TeSys D & N are **PENDING UL approval.**

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