

53TP Series IP20

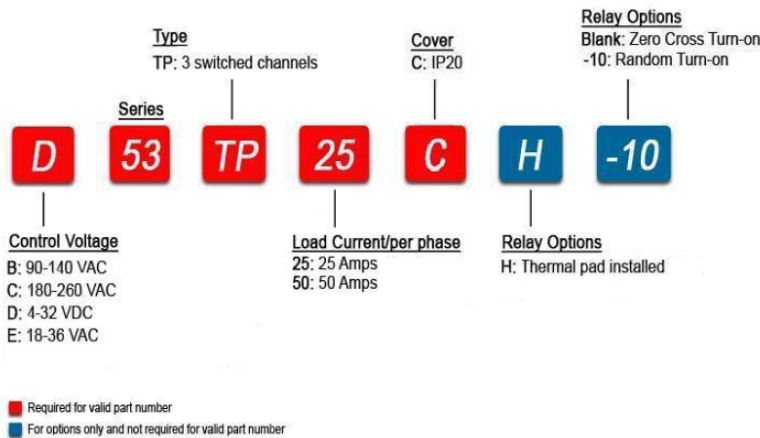


- Three-phase solid-state relay; Ratings 25A , 50A per phase @ 48-530 VAC
- 2 package styles IP20 or IP00 (See IP00 spec sheet for more information)
- SCR output for heavy industrial loads
- AC or DC control
- Zero-crossing (resistive loads) or random-fire (inductive loads) output
- LED input status indicator
- Transient protection built in

PRODUCT SELECTION

Control Voltage	25A	50A
90-140 VAC	B53TP25C	B53TP50C
180-260 VAC	C53TP25C	C53TP50C
4-32 VDC	D53TP25C	D53TP50C
18-36 VAC	E53TP25C	E53TP50C

AVAILABLE OPTIONS



OUTPUT SPECIFICATIONS (1)

Description	25 A	50 A
Operating Voltage (47-63Hz) [Vrms]	48-530	48-530
Transient Overvoltage [Vpk]	1200	1200
Maximum Off-State Leakage Current @ Rated Voltage [mA _{rms}]	3	3
Minimum Off-State dv/dt @ Maximum Rated Voltage [V/μsec] (2)	500	500
Maximum Load Current per phase [A _{rms}] (3)	25	50
Minimum Load Current per phase [A _{rms}]	0.1	0.1
Maximum 1 Cycle Surge Current (50/60Hz) [A _{pk}]	275-300	710-750
Maximum 1 Second Surge Current 50/60 Hz [A _{pk}]	85	150
Maximum On-State Voltage Drop @ Rated Current [V _{pk}]	1.35	1.35
Thermal Resistance Junction to Case (R _{jc}) [°C/W]	0.24	0.12
Maximum 1/2 Cycle I ² t for Fusing (50/60 Hz) [A ² sec]	380-370	2520-2320
Minimum Power Factor (with Maximum Load)	0.5	0.5
UL/IEC 60947 Motor Control Ratings at 120V [HP/KW] (4)	0.75/0.56	1.5/1.11
UL/IEC 60947 Motor Control Ratings at 240V [HP/KW] (4)	1/0.74	3/2.22
UL/IEC 60947 Motor Control Ratings at 380V [HP/KW] (4)	2/1.48	5/3.7
UL/IEC 60947 Motor Control Ratings at 480V [HP/KW] (4)	3/2.22	7.5/5.55