

CD 3000S 3PH FROM 15A TO 90A



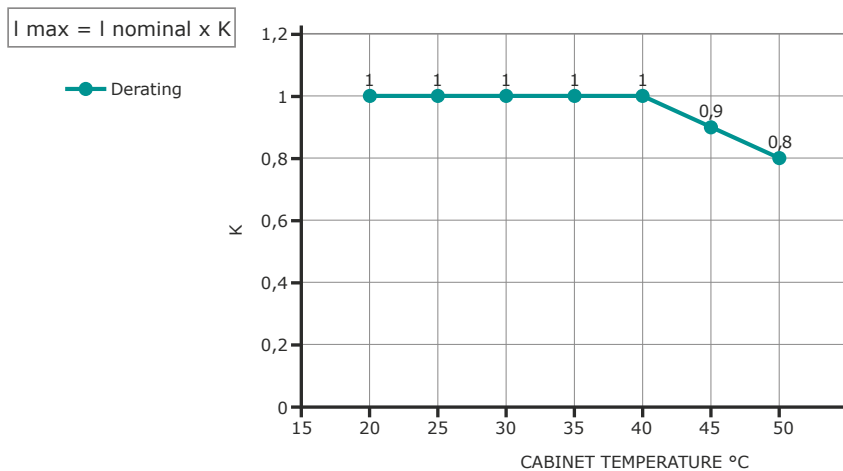
General description

- CD3000S 3PH is a three leg switching three wire resistive load
- Up to 90A
- Fully isolated from power
- Applicable for resistive loads
- Zero crossing firing
- Logic input signal SSR
- Constant current drain
- Side by side packaging
- Special design for heatsink with high dissipation
- IP20 protection
- Comply with EMC specification

Technical Specification

Voltage power supply	24V min, 480V Max, 600V on request
Input Signal	SSR (OFF state <1Vdc ON = 4+30 Vdc)
Firing	Zero crossing ZC
Auxiliary Voltage Supply	10Va power consumption
Fan Voltage Supply	220V ± 15%
Approvals	Comply with EMC; cULus available as an option
Mounting	Din rail mounting
Operating Temperature	0+40° up to 90A included (for higher temperature see the derating curve)

Current derating as function of cabinet temperature



CD3000S 3PH SIZE AND DIMENSIONS



S2 H 120 x W 92 x D 120 - 1,05 kg



S4 H 120 x W 117 x D 123 - 1,15 kg



S6 H 138 x W 117 x D 123 - 1,80 kg



S8 H 138 x W 117 x D 159 - 2,10 kg

Size and options

Current	Size	Cooling	IP20
15A	S2	Natural	Standard
30A	S4	Natural	Standard
45A	S6	+ Fan	Standard
60A	S8	+ Fan	Option
75A	S8	+ Fan	Option
90A	S8	+ Fan	Option

Input features

Input Signal	Input Detail	On Condition	Off Condition
SSR	20mA MAX	≥4V max 30V	≤1V

For 230V select (200V to 260V); for 460V select (330V to 500V)

Output features (Power device)

Current A	Voltage Range V	Ripetitive Peak Reverse Voltage		Latching current (mAeff)	Max Peak one cycle (10 msec)	Leckage current (mAeff)	I ² T value for fusig tp=10msec	Frequency range Hz	SCR power loss * I=Inom W for each phase	Isolation voltage Vac
		480V	600V							
15A	24÷480V	1200	1200	150	230	15	610	47÷70	54	2500
30A	24÷480V	1200	1600	250	600	15	1800	47÷70	108	2500
45A	24÷600V	1200	1600	250	600	15	1800	47÷70	162	2500
60A	24÷600V	1200	1600	450	1000	15	4750	47÷70	216	2500
75A	24÷600V	1200	1600	450	1540	15	11300	47÷70	270	2500
90A	24÷600V	1200	1600	450	2000	15	19100	47÷70	324	2500

* Power Loss Thyristor + Fuse

Order code CD3000S 3PH 15-90A

	1	2	3	4	5	6		7	8	9	10	11	12	13	14	15	16
CD3000S 3PH	D	S	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CURRENT (A)	4	5	6	
description	Code			Note
15A	0	1	5	
30A	0	3	0	
45A	0	4	5	
60A	0	6	0	
75A	0	7	5	
90A	0	9	0	

MAX LOAD VOLTAGE (V)	7	
description	Code	Note
480V	4	
600V	6	

AUXILIARY VOLTAGE (V)	8	
description	Code	Note
NO Auxiliary Voltage supply	0	

INPUT	9	
description	Code	Note
SSR	S	

FIRING	10	
description	Code	Note
Zero Crossing	Z	

CONTROL MODE	11	
description	Code	Note
Open loop	0	

FUSES & OPTION	12	
description	Code	Note
No Fuse	0	
External Fuse & Fuse Holder	F	

FAN VOLTAGE	13	
description	Code	Note
No Fan for unit <45A	0	
Fan 110V Option - for 45A to 90A units	1	
Fan 220V Standard - for 45A to 90A units	2	

APPROVALS	14	
description	Code	Note
CE EMC for European Market	0	
CE EMC + cUL us listed	L	

MANUAL	15	
description	Code	Note
None	0	
Italian	1	
English	2	
German	3	
French	4	

IP PROTECTION	16	
description	Code	Note
Standard IP20 (all unit excluded 45A to 90A)	0	
External IP20 protection for size S8 (45A to 90A)	P	1

(1) IP20 is standard on all units with exception of S8 size (45-90A).
To complain IP20 use "P" option at digit 16