## Custom 2PH from 1100A to 2700A



SIZE S32 - from 1100A to 1400A

SIZE S35 - from 1700A to 2700A

## **Technical Specification**

- Two phase thyristor: Unit from 1100 to 2700A
- Suitable to drive: 3 phase loads at 480-600-690V with 2 phase controlled • **Dimensions:** see proposal for details
- Load type: Normal resistance, infrared long and medium
- Frontal key pad setting: Alarm indication and configuration
- Protection: Inside semiconductor fuses
- Inputs: SSR Standard, 0:10V, 4:20mA selectable
- Firing mode: Zero Crossing and Burst Firing available with analog input and configurable from 1 to 255 cycles ON at 50% power demand
- Removible phase: By front unit without fork lift help
- Stall protection alarm: For faulty fan
- Second thermal switch: For high heat sink temperature with free voltage contact output standard

- Fuse failure microswitch: Free voltage contact output standard
- Structure: Alluminium and copper structure treated against oxidation
- Diagnostic and wiring diagram: Easy to use on front unit
- **Operating temperature:** 0° to 40°C without derating
- IPO protection: Standard
- IP20 protection: Option
- Comply with CE-EMC
- Data sheet: More details on "Custom 2PH from 1100 to 2700A" bulletin

## Option

## Measurement package including:

- Heather break alarm: Diagnostic partial or total load failure
- Digital read out: Current, voltage and power

ORDERING CODE     C     2     -     <		1	2	3	4	5		6		7	8	9	10	11	12	13	14	15	16
description     rode     note     note     oddescription     code     Note       1100A     1     1     0     0     0     0     0       1100A     1     1     0<	ORDERING CODE	С	2	_	_	_		_	-	_	_	_	_	_	_	_	_	_	_
1100A   1   1   0   0     1400A   1   4   0   0     1400A   1   7   0   0     1900A   1   9   0   0     2100A   2   1   0   0     2700A   2   7   0   0     2700A   2   7   0   0     MAX VOLTAGE   7   0   0   0     description   code   note   4   0     480V   6   0   0   0     680V   7   0   0   0     110V   6   0   0   10     1230V   8   0   10   10     10V   0   1   10   1     230V   2   1   10   1     10V1/dec   9   0   1   1     6escription   code   note   1   1     10V1/dec   1   1   1   1     6escription   code	CURRENT				3 4	56			CONTR		E							11	
1400A   1   1   0   0   0     1700A   1   7   0   0   0     1900A   2   1   0   0   0   0     2100A   2   1   0   0   0   0   0     2100A   2   1   0   0   0   0   0   0     2100A   2   1   0	description				coo	le	note		descrip	tion								code	Note
1700A   1   7   0   0     1900A   1   9   0   0     2100A   2   1   0   0     2700A   2   7   0   0     2700A   2   7   0   0     Current feed back   0   1   0     2700A   2   7   0   0     1   0   0   0   0     1   0   0   0   0     1   0   0   0   0     100V   6   6   0   0     110V   0   0   220V   2     110V   0   0   0   0     230V   2   1   0   0     110V   0   0   0   0	1100A				1 1	0 0									0				
1900A   1   9   0   0     2100A   2   1   0   0     2700A   2   7   0   0   0     OPTION   12     MAX VOLTAGE   7   0	1400A				1 4										U				
2100A   2   1   0   0     2700A   2   7   0   0     2700A   2   7   0   0     MAX VOLTAGE   7   0   0   0     description   code   note   0   0     600V   6   0   0   0     600V   6   0   0   0     600V   7   0   0   0     00LTAGE AUX. SUPPLY   8   0   0   0     110V   0   0   220V   14   0     110V   0   0   220V   2   110V   1     230V   0   0   0   220V   2   14     Messurement package including healter break alarm and current, woltage and power read out   0   0   0     110V   0	1700A				1 7	0 0												W	
2700A     2     7     0     0       MAX VOLTAGE     7     0	1900A				1 9	0 0												1	
MAX VOLTAGE   7   description   code   None   Code   Note     480V   4   600V   6   6   6   6   6   6   6   6   6   6   7   Max voltage and power read out   0   8   0   0   7   1   1   1   1   1   1   10   20V   20V   2   10   10   10   20V   1   20V   2   10 <td< td=""><td>2100A</td><td></td><td></td><td></td><td>2 1</td><td>0 0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	2100A				2 1	0 0													
MAX VOLTAGE     7     None     O     C       description     code     note     Measurement package including heater break alarm and current, voltage and power read out     H     H       600V     6     6     6     H     H     H       600V     6     6     6     H     H     H     H       600V     6     6     6     6     10     H     H     H     H       600V     6     6     6     6     10     FAN VOLTAGE AUX. SUPPLY     8     Code     Code     10     Code     10     Codescription     Code     Note     10     Codescription     Code     Note     Code     Note     Code     Note     CE-EMC + IP20 one protection for each phase     1     CE-EMC + IP20 one protection for each phase     1     CE-EMC + IP20 one protection with flat plexiglass mounted on pillars (on VERSION 1.2)     2     CE-EMC + IP20 one protection with flat plexiglass mounted on pillars (on VERSION 1.2)     2     CE-EMC + IP20 one protection with flat plexiglass mounted on pillars (on VERSION 1.2)     2     CE-EMC + IP20 one protection with flat plexiglass	2700A				2 7	0 0			OPTIO	N								12	
description     code     note       480V     4       600V     6       690V     7       690V     7       VOLTAGE AUX. SUPPLY     8       description     code       110V     0       230V     2       110V     0       230V     2       INPUT     9       description     code       10V dc     2       420 mA     A       Potentiometer     K       FIRING     10       description     code       100     code       220 mA     A       Potentiometer     K       FIRING     10       description     code       Crossing with SSR input     Z									descrip	tion								code	Note
480V 4 600V   600V 6   690V 7   600V 7   600V 7   600V 7   600V 7   600V 7   7 6   100V 0   230V 2   110V 0   230V 2   110V 0   230V 2   10V 0   230V 2   6 note   0 0   230V 2   0 0   220V 14   420 mA A   Potentiometer K   FIRING 10   description code   2ero Crossing with SSR input Z	MAX VOLTAGE				7	7 None								0					
480V 4 Voltage and power read out Image and power read out   600V 6   690V 7   Voltage and power read out 13   Voltage and power read out 14   description 20V   110V 0   230V 2   IMPUT 9   description code   0 14   description code   0 14   0 14   0 14   0 14   0 14   0 14   0 14   0 14   0 14   0 14   0 14   0 14   0 14   0 14   0 14   0 16   <	description						code note			Measurement package including heater break alarm and current,									
690V     7     13       VOLTAGE AUX. SUPPLY     8     code     Note       description     code     note     10V     1     1       110V     0     220V     220V     2     14       MPUT     9     description     code     Note       1NPUT     9     description     code     Note       0:10V dc     S     S     0:10V dc     V     4:20 mA     APROVALS     14     0       FIRING     Note     CE-EMC + IP2 one protection standard     0     CE-EMC + IP20 one protection for each phase     1     1       fillian     EE-EMC + protection with flat plexiglass mounted on pillars (on VERSION 1,2)     2     0       fillian     10     1     1     1       Geroption     code     note     0     1       Zero Crossing with SSR input     Z     German     3     1	480V	4				voltage and power read out								н					
VOLTAGE AUX. SUPPLY   8   Code   Note     description   code   note   1   2     110V   0   2   2   2     230V   2   2   2   2     INPUT   9   Cdescription   Code   Note     SSR   0   0   2   2     0.10V dc   V   4/20 mA   A   0   CE-EMC + IP2 one protection for each phase   1   0     4/20 mA   A   A   0   0   0   0   0   0     FIRING   10   10   11   15   0	600V				6				Ŭ	•									
VolTAGE AUX. SUPPLY     8       description     code     note       110V     0     2       230V     2     2       INPUT     9     6       description     code     note       SSR     code     note       0:10V dc     V     4:20 mA       Potentiometer     K     CE-EMC + IP20 one protection for each phase     1       FIRING     10     10     10       description     code     Note     1       FIRING     10     10     10       Gescription     code     Note     0       Zero Crossing with SSR input     Z     0     10	690V				7				FAN VO	DLTAGE								13	
description     code     note       110V     0     2       230V     2     APPROVALS     14       description     0     0     0       INPUT     9     0     0       description     code     note     0     0       SSR     0:10V dc     V     0     0     0       4:20 mA     A     A     0     0     0       Potentiometer     K     MANUAL     15     0       Italian     1     1     1     1       Zero Crossing with SSR input     Z     0     0     0									descrip	tion								code	Note
I10V     0       23V     2       INPUT     9       description     code       SSR     0       0:10V dc     V       4:20 mA     A       Potentiometer     K       FIRING     10       description     code       2:0 mode     Note       Firing     10       description     code       Crossing with SSR input     Z	VOLTAGE AUX. SUPPLY				8				110V									1	
230V     2     APPROVALS     14       INPUT     9     description     code     Note       description     code     note     CE-EMC + IP0 protection standard     0     0       SSR     S     0:10V dc     V     4:20 mA     A     CE-EMC + IP20 one protection for each phase     1     CE-EMC + IP20 one protection with flat plexiglass mounted on pillars (on VERSION 1,2)     2     0       4:20 mA     A     A     MANUAL     15     0       filing     10     Italian     1     1     0     1       Zero Crossing with SSR input     Z     Cerman     3     1     1	description				coc	le	note		220V									2	
INPUT 9 Code Note   description code note   SSR S   0:10V dc V   4:20 mA A   Potentiometer K   MANUAL   Is a code Note   Italian 1 Is   English 2 Cerman	110V				0														
INPUT     9     0       description     code     note     0       SSR     S     S     CE-EMC + IP2 one protection for each phase     1     1       0:10V dc     V     CE-EMC + IP20 one protection for each phase     1     1       4:20 mA     Potentiometer     K     CE-EMC + protection with flat plexiglass mounted on pillars (on VERSION 1,2)     2       FIRING     AA     MANUAL     15       description     code     None     0       Italian     1     English     2       German     Z     German     3	230V				2				APPRC	VALS								14	
description     code     note       SSR     S     S       0:10V dc     V     CE-EMC + IP20 one protection for each phase     1     I       4:20 mA     A     CE-EMC + protection with flat plexiglass mounted on pillars (on VERSION 1,2)     2     I       4:20 mA     A     MANUAL     15     I     I       Potentiometer     K     MANUAL     0     I     I       Itiliain     10     I<									descrip	tion								code	Note
SSR     S     S     CE-EMC + protection with flat plexiglass mounted on pillars (on VERSION 1,2)     2       0:10V dc     V	INPUT				9				CE-EM	C + IP0 pr	otection	standard						0	
0:10V dc     V     MANUAL     15       4:20 mA     A	description	coc	le	note		CE-EMC + IP20 one protection for each phase							1						
4:20 mÅ     A     MANUAL     15       Potentiometer     K     description     code     Note       FIRING     10     10     10     10       English     2     2       Zero Crossing with SSR input     Z     German     3	SSR				S				CE-EM	C + protec	tion with	flat plexig	lass moun	ted on pil	lars (on V	ERSION '	1,2)	2	
Potentiometer     K     description     code     Note       FIRING     10     11     <	0:10V dc				V	'													
Firsting 10 None 0   description code note Italian 1   Zero Crossing with SSR input Z German 3	4:20 mA				A				MANUA	AL.								15	
FIRING 10 Italian 1   description code note English 2   Zero Crossing with SSR input Z German 3	Potentiometer				K				descrip	tion								code	Note
description     code     note     English     2       Zero Crossing with SSR input     Z     German     3     3									None									0	
Zero Crossing with SSR input Z German 3	FIRING				10	)			Italian									1	
Zero Crossing with SSR input Z German 3	description				COC	le	note		English									2	
Burst firing configurable from 1 to 255 at 50% power demand B 1 French 4	Zero Crossing with SSR input				Z				German	ı								3	
	Burst firing configurable from 1 to 255 at 50% pov	ver demar	nd		В		1		French									4	

Note (1) Burst firing is a zero crossing firing

Note (2) Available just as spare unit giving serial number

	7	8	9	10	11	12	13	14	15	16
-	_	_	_	_	_	_	_	_	_	_
CONTROL MODE										
descripti			_	_	_	_	_		11 code	Note
Open Loop									0	
Voltage feed back									U	
	Power feed back									
Current feed back										
		-								
OPTION									12	
descripti	on								code	Note
None									0	
Measure	ement pac	ckage incl	luding he	ater breal	k alarm ai	nd current	,		н	
voltage a	and powe	r read ou	t						н	
FAN VOLTAGE										
descripti	on								code	Note
110V									1	
220V										
APPRO	VALS								14	
descripti									code	Note
	+ IP0 pro								0	
	) + IP20 o								1	
CE-EMC	+ protect	tion with fl	lat plexigla	ass moun	ted on pill	ars (on VE	ERSION 1	,2)	2	
MANUA									15	
descripti	on								code	Note
None									0	
Italian									1	
English									2	
German									3	
French			4							
VERSIO			16							
descripti			code 1	Note						
Version with Multidrive board. Production just as spare part										2
Version with Custom board and frontal support of heat sink white New version in production from January 2015									2	2
New ver	sion in pro	oduction t	from Jani	10n/ 2015					3	