CronaTech

High performance Switch disconnectors



gorl

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gorlan





telergon

Telergon is one of the leading companies in the field of the switchgear engineering.

Ctra. Castellón (Pgno. La Cartuja) 50720 La Cartuia Baia Zaragoza-Spain Tel.: (+34) 976 50 08 76 Fax: (+34) 976 50 03 14 comercial@teleraon.es www.telergon.com





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O tripus

industries in Europe.

Am Hohen Rain 2

89347 Bubesheim

sales@tripus.de

www.tripus.de

Tel: (+ 49) 8221 9016-0

Fax: (+ 49) 8221 3073



merytronic

AT LEASE

Merytronic is a company with a high added value in research, development and production of electronic equipment, both fixed and portable, for monitoring, control and indication of electronic distribution networks.

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pronutec GmbH

Pronutec GmbH. After many years of experience in the German market, Pronutec GmbH was established to provide customers a more personalized and direct service.

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reduced

Reduced maintenance

Connections are less affected by heat





plastibor

Dedicated to plastics injection moulding, Plastibor separates production into two different sections: The thermosetting polymers section and thermoplastic materials section. In the first section thermoset polyester parts are moulded from moist polyester, and in the second section, thermoplastic materials such as polyamides, polycarbonates, PBT, PPS, PEI, PP, PARA, etc. are injected.

Parque Empresarial Boroa, Parcela 2C-1 48340 Amorebieta Vizcaya-Spain Tel.: (+34) 94 648 26 87 Fax: (+34) 94 648 26 88

ptb@plastibor.com www.plastibor.com



oinaselec

Inaselec Assembly is a recent

established Company within Gorlan group, is devoted to the manufacturing activity. As a result of this exclusive dedication to the manufacture and assembly by means of the most developed and modern systems, as well as rigorous quality controls, Inaselec offers an excellent end-product.

established to spread the group's solutions and attend local customers needs in the Polish market.

> uL. Zeromskiego 18 56-420 Bierutow-Polska Tel.: (+48) 71 315-63-21 Fax: (+48) 71 314-62-35

polska@gorlanteam.com

Pol. Fuente Ciega-C/Encinas, 40 26200 Haro, La Rioia-Spain Tel.: (+34) 941 89 49 00

inaselec@inaselec.com www.inaselec.com





Gorlan Polska was

www.polska.gorlanteam.com



Office 1505, Sino Life Tower No. 707 Zhangyang Road Pudong. Shanghai 200120-China Tel.: (+86) 21 58 88 92 86

shanghai@gorlanteam.com www.shanahai.aorlanteam.com

gorlan India

Gorlan India Switchgears Private Limited was formed as a result of the merger of Gem Telergon Switchgears Pvt Ltd and Gorlan Technologies Pvt Ltd.

24, Textool Feeder Industrial Estate, Ganapathy Coimbatore-641 006-India Tel.: (+91) 422 253 7041 Fax: (+91) 422 253 2890

india@gorlanteam.com www.india.gorlanteam.com



required Installation time is reduced

> Rated for 80°C ambient temperature

> > without derating (IEC).



High perfomance



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Energy efficient

Reduced voltage drop and lower energy losses



Load break switching is performed by the **SERPA TEC** system, preventing electrical arc damage to the main contacts.

This feature allows the switch to maintain a stable resistance, resulting in minimal power losses and high efficiency throughout its life.

DC S6RDC **Switch - disconnectors** According to: IEC IEC 60947-1 & 3 High performance load-break switches to meet your safety and reliability requirements. UL98 B Available in several rating and configurations, with a variety of accessories. RoHS The range Functional and IEC ergonomic handle Amp. Size 160 > Good grip and excellent torque/ 200 resistance 1 Pole 250 1 > Padlockable handle in **O OFF** position 315 (up to three locks Ø 5-8 mm) 🖬 400 160 > Door interlock in **ON I** position 200 1 Pole 250 > When lock 🖬 in O OFF position, door is 1 315 interlocked 400 > Defeteable feature in **ON I** position 160 (with the use of a tool for maintenance 200 1 Pole 250 operations). Handle interlock is restored 1 315 when closing 400 > Self-centering shaft for door handle 160 200 1 Pole 250 1 315 400 160 200 2 Poles 250 315 400 160 200 250 2 Poles 1 315 400 UL Size Amp. 250 1 Pole 320 1 **Relevant characteristics** 400 250 for photovoltaic installations 1 Pole 320 1 > Ui (V) Rated insulation voltage 1500 Vdc. > Isc (A) Short-circuit current of the 400 > It is necessary to comply with: photovoltaic installation. > Uoc (V) Open circuit voltage of the Ui ≥ Uoc 250 photovoltaic system. > In certain places of Pv Systems, We recommend to set Ui between 10 1 Pole 320 1 inductive component must be and 15% over Uoc. > Uef (V) Photovoltaic installation 400 considered (cables, inverter, etc.). Ue ≥ Uef functioning voltage on load. > The sizing of the switch must be done $le \ge lef$ 250 > lef (A) Installation working current considering open circuit voltage as $le \ge lsc$ under load. 320 1 Pole 1 maximum operation voltage. 400 250 320 2 Poles 1

Testing and approvals:

AUSTRIAN INSTITUTE



Code Diagram Direct handle External handle S6R0160D4S0 S6R0200D4S0 **D**4 S6R0250D4S0 DS-SI11 DS-SA11 S6R0315D4S0 S6R0400D4D0 S6R01604DS0 S6R02004DS0 **4D** S6R02504DS0 DS-SI11 DS-SA11 S6R03154DS0 S6R04004DD0 S6R0160F4S0 S6R0200F4S0 64 DS-SI11 S6R0250F4S0 DS-SA11 S6R0315F4S0 S6R0400F4D0 S6R01604FS0 S6R02004FS0 **4**F S6R02504FS0 DS-SI11 DS-SA11 S6R03154FS0 S6R04004FD0 S6R0160BCS0 S6R0200BCS0 BC S6R0250BCS0 DS-SI11 DS-SA11 S6R0315BCS0 S6R0400BCD0 S6R0160CBS0 S6R0200CBS0 B S6R0250CBS0 DS-SI11 DS-SA11 S6R0315CBS0 S6R0400CBD0

Code	Diagram	Direct handle	External handle		
S6R0250D4S00L					
S6R0320D4S00L	04	-	DS-SA11		
S6R0400D4D00L					
S6R02504DS00L					
S6R03204DS00L	4D	-	DS-SA11		
S6R04004DD00L					
S6R0250F4S00L					
S6R0320F4S00L	E	-	DS-SA11		
S6R0400F4D00L					
S6R02504FS00L					
S6R03204FS00L	4 F	-	DS-SA11		
S6R04004FD00L					
S6R0250BCS00L					
S6R0320BCS00L	BC	-	DS-SA11		
S6R0400BCD00L					
S6R0250CBS00L					
S6R0320CBS00L	œ	-	DS-SA11		
S6R0400CBD00L					

400 250

320

400

1

2 Poles









>> Auxiliary contacts

1NO+1NC CODE D5LAU01 2NO+2NC CODE D5LAU02

le = 16 A (resistive loads) 4 A (inductive loads) at 250 Vac.



>> Shafts Standard shaft included *(e1) L (mm) P (mm) 227 179... 398,5 Shaft extensions Type 1 P (mm) CODE L (mm 375 179... 546,5 DS-EP14 Type 2 L (mm) P (mm) CODE

536 179... 707,5 DS-EP15





45 4

102

4

171,5

₽ 2

150

27

45



			S max	H max	L max	ff	M ^{+5%}		
	J	P	mm ²	mm	mm	U	Nxm		
160 A	25	160 A	185	8	25	M12	24		
200 A	25	200 A	185	8	25	M12	24		
250 A	25	250 A	185	8	25	M12	24		
315 A	25	315 A	185	8	25	M12	24		
400 A	30	400 A	240	8	30	M12	24		

Size 1 S6000R DC UL 250 320 400 **Switch - disconnector** er S 1500Vdc base mounting 1P - 2P





CE

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According to UL98 B

Terminals location

LISTED E333311				250	320	400	
Rated thermal current	lth	-20°C up to 50°C	Α	250	320	400	
Rated operational current	le	1500Vdc	Α	250	320	400	
Rated short-time withstand current (0,05 sec) Icw			kA	10	10	10	
Maximum weight				Consult according to code			
Maximum weight					code		
Wiring capacity					code		

Conforms to UL98B. Minus -20 to 50°C. PV disconnect switch. Location Category B Suitable for use in PV Systems in accordance with Article 690 of the NEC

tests:

AUSTRIAN INSTITUTE TOMORROW TODAY



Dimensions (mm & inches)

Door drilling for external handle







Accessories

>> External handle included shaft *(e1) **IP65** UL50E/NEMA 250 Types: 1, 3R, 4, 4X y 12 CODE DS-SA11

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	J			max (cu)		L max (Cu)		TT	IVI-10%	
				mm	in	mm	in	U	Nxm	Ibf ·in
	mm	in			5/		13/			
250 A	~-		250 A	4	7⁄32	30	1-2/16	M12	24	212
320 A	25	0.98	320 A	4	5/	22	1-1/	1412	24	010
400 A	30	1.18	400 A	4	/32	32	' /4	10112	24	212

>> MAINTENANCE RECOMMENDATIONS:

Electrical installations and their components should be periodically inspected to check they are in good condition. Operability of switches should be checked after an incident, during maintenance or due to ageing. Tightening torque of electrical connections should be revised as vibrations in the environment and electrical conductivity may loose them affecting to the performance and durability of all components as well.

Not performing preventive maintenance may damage and spoil parts, systems and machines. Moreover it can also cause accidents and injure people.

Before working on equipment or components which may be electrically live, the appropriate safety cautions must be taken by operators, end-users or other staff. Right personal protective equipment (e.g. safety clothes, gloves, goggles, helmet, insulating footwear) should be used, and the appropriate tools for the operation. At the same time, caution measures should be taken to prevent damages to third parties such as warning signs, barriers, mechanical locks, etc.

Prior to use any protective equipment or tools, they must be checked to be in good condition. Maintenance or repair works should be performed in areas not electrically live by qualified and authorized staff following the applicable regulations and good practices.

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Telergon, S.A.U. Ctra. Castellón (Pol. La Cartuja) ES - 50720 La Cartuja Baja Zaragoza / Spain

Tel.: + 34 976 50 08 76 Fax: + 34 976 50 03 14

E-mail: comercial@telergon.es www.telergon.com