	Specification	Symbo	Condition / C	omment			151-30-SiC-GSM		
	Maximum Operating Voltage	$V_{O(max)}$	l <sub>off</sub> < 65 μADC,		;		15 k		
	Maximum Isolation Voltage	VI	Between HV switch and control / GND, continuously					30	kVDC
	Max. Housing Insulation Voltage	V <sub>INS</sub>						30	kVDC
RATINGS	Maximum Turn-On Peak Current	I <sub>P(max)</sub>	T <sub>case</sub> = 25°C	ween switch and housing surface, 3 minutes = 25°C t <sub>o</sub> < 200 µs, duty cycle <1%			300	NVB0	
		iP(max)	· case	t₀< 1 ms, duty cycle <1%			180		
747				t <sub>p</sub> < 10 ms,				58	
_				t <sub>p</sub> < 100 ms, duty cycle <1%			30	ADC	
MAXIMUM	Maximum Continuous Load Current	I <sub>L(max)</sub>		Standard devices			10		
Ž	Waximum Continuous Esaa Garrent	'L(IIIdX)	T <sub>case</sub> = 25°C	Option CF, cooling fins Devices with option DLC			15		
3			r case — 25 O				50	ADC	
N/	Max. Continuous Power Dissipation	P <sub>d(max)</sub>						20	ADO
1	Wax. Continuous i Gwel Dissipation	i d(max)	$T_{case} = 25^{\circ}C$		lard devices & FC, forced air 4 m/s es with option DLC			2500	Watt
5	Linear Derating			Standard devices & FC, forced air 4				0.44	**utt
0	Linear Deraung		Above 25°C	Above 25°C Devices with option DLC				50	W/K
ABSOLUTE	Operating Temperature Range	To	Standard dovice	Standard devices & options ILC, DLC		LO		-4070 (60)	°C
4	Storage Temperature Range	Ts	Switches with option ILC may require frost protection!			froat protoction!		-4090	°C
	Max. Permissible Magnetic Field	B	Homogeneous steady-field, surrounding the whole switch					25	mT
	•	1						5.5	VDC
	Max. Auxilliary Voltage	Vaux		Built-in overvoltage limiter (replaceable)  Unipolar operation (one switch pole grounded or floated)				0 ± 15	VDC
	Permissible Operating Voltage	Vo						0 ± 15 0 ± 7.50	kVDC
	Range Typical Breakdown Voltage	1/		Bipolar operation (positive & negative voltage applied)  NOTE: V <sub>br</sub> is a test parameter for quality control  I <sub>off</sub> > 0.5 n					+
	Typical Breakdown Voltage	$V_{br}$	NOTE: V <sub>br</sub> is a te	<b>NOTE:</b> V <sub>br</sub> is a test parameter for quality contropurposes only. Not applicable in normal operation!				± 16.50	kVDC
	Typical Off-State Current	l <sub>off</sub>			O°C, reduced loff on request			65	μADC
	Typical Turn-On Resistance	R <sub>stat</sub>	Each switching			ax), T <sub>case</sub> =25°C		0.30	
				$t_p$ < 1 $\mu$ s, duty cycle < 1% 1.0 x		ax), T <sub>case</sub> =25°C		0.70	
				1.0 x I <sub>P(max)</sub> , T <sub>case</sub> =70°C			1.25		Ohm
	Typical Capacitive Power P <sub>dc</sub>		Switch capacita	witch capacitances only- 0		<sub>max),</sub> f = 10Hz	0.11		
	Dissipation of Switch				$0.8 \times V_{O(max)}, f = 100Hz$ $0.8 \times V_{O(max)}, f = 10000Hz$		1.08 108		
	(Natural Power Dissipation)								Watt
SS	Typical Propagation Delay Time	t <sub>d(on)</sub>	Resistive load,	0.1 x I <sub>P(max)</sub> , 0.8 x V <sub>O(max)</sub> , 50-50%			200		ns
Ĕ	Typical Output Pulse Jitter	t <sub>j</sub>	Impedance mat	thed input, V <sub>aux</sub> / V <sub>ctrl</sub> = 5.00 VDC			2		ns
2//	Typical Ouput Transition Time	t <sub>r</sub> , t <sub>f</sub>	Resistive load,	10-90%	$0.1 \times V_{O(max)}$ , $I_L = 0.1 \times I_{p(max)}$			15	
E	(Rise Time & Fall Time)				$ \begin{array}{c} 0.8 \; x \; V_{O(max),} \; I_{L} = 0.1 \; x \; I_{p(max)} \\ 0.8 \; x \; V_{O(max),} \; I_{L} = 1.0 \; x \; I_{p(max)} \end{array} $			20	
10								80	ns
3	Maximum Turn-On Time	t <sub>on(max)</sub>	No limitation	No limitation				∞	ns
CHARACTERISTICS	Minimum Turn-On Time	t <sub>on(min)</sub>	can be customiz	can be customized. Please consult factory				180	ns
	Max. Continuous Switching	$f_{(max)}$	@ V <sub>aux</sub> = 5.00 V		devices without HFS option			10	
3	Frequency		Standard devices with HFS supply					30	
M				f is exceeded Opt. HF3 + Sufficient cooling option				80	
CT		Options nes + Lo-An-DR + DLC					500	kHz	
ELECTRICAL	Maximum Burst Frequency	f <sub>b(max)</sub>	Use option HFB for >10 pulses within 20µs or less					1.5	MHz
~	Maximum Number of Pulses / Burst	$N_{(max)}$	f <sub>b</sub> =500 kHz (1µs spacing). Switch shutdown if N <sub>(max)</sub> is exceeded.					10 (Use burst option HFB for >10 pulses)	
	Coupling Capacitance	Cc	Ŭ	Switch against control side				< 100	pF
	Natural Capacitance	C <sub>N</sub>		Between switch poles, @ 0.8 x V <sub>O(max)</sub>				< 20	pF
	Control Voltage Range	V <sub>ctrl</sub>		The $V_{\text{ctrl}}$ has no impact on the output pulse shap				3 10	VDC
	Auxiliary Supply Voltage Range	V <sub>aux</sub>	The +5 V supply is not required in the HFS mode.					4.5 5.5	VDC
	Typical Auxiliary Supply Current	l <sub>aux</sub>	V <sub>aux</sub> = 5.00 VDC, T <sub>case</sub> = 25°C. 0.01 x f <sub>(max)</sub>			V - /	200 500		400
	0.4450 5 4 0 4 44 4	.,	Active current limitation above 1A. @ specified f <sub>(max)</sub>						mADC
	Opt. HFS, Ext. Supply Voltage V1	V <sub>HFS(V1)</sub>	Stability ±3%, current consumption <0.4 mA/kHz @ 25°C					15	VDC
	Opt. HFS, Ext. Supply Voltage V2	V <sub>HFS(V2)</sub>	Stability ±3%, current consumption <0.5 mA/kHz @ 25°C			.5 mA/kHz @ 25°C		62	VDC
	Intrinsic Diode Forward Voltage	VF	$T_{case} = 25^{\circ}C$ , $I_F = 0.3 \text{ x } I_{P(max)}$			20.4/		< 80	VDC
	Diode Reverse Recovery Time	t <sub>rrc</sub>	$T_{case} = 25^{\circ}C$ , $I_{F} = 0.3 \times I_{P(max)}$ , $di/dt = 100 \text{ A/}\mu\text{s}$			00 A/μs		< 40	ns
9	timensions LxWxF		Standard housing, without pigtails					225 x 100 x 80	
HOUSING		Devices with options DLC Standard housing				250 x 200 x 89		mm <sup>3</sup>	
<b>3</b>	1	iht					Please consult BEHLKE!		
ğ	Weight		I Devices with on	Devices with options DLC					g
HO	Weight		Devices with op					' " O I I II O 40 \ / (0 E \ / ( I )	
HO	Weight  Control Signal Input	Le	· ·	mpatible (LS	S-C: With 1	00Ω termination). Sch	nmitt-Trigger character	ristics. Control voltage 2-10 V (3-5 V for low j	jitter).
HO			mo Pin 1: TTL co				nmitt-Trigger character e safety earthing termin		jitter).
	Control Signal Input Logic GND / 5V Return	Le	mo Pin 1: TTL co mo Shielding: The	e logic groun	d is interna	ally connected with the	e safety earthing termin	nal (threaded inserts).	jitter).
	Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply	Le Le	mo Pin 1: TTL co mo Shielding: The mo Pin 4: The 5 V	e logic ground input is use	d is interna	ally connected with the ates up to the specifie	e safety earthing termined max. frequency f <sub>(max)</sub>	nal (threaded inserts). . Higher rep rates require option HFS.	jitter).
	Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output	Le Le	mo Pin 1: TTL co mo Shielding: The mo Pin 4: The 5 V mo Pin 3: TTL out	e logic ground input is use tput, short cir	d is internated for representations.	ally connected with the ates up to the specifie Indicating switch & dr	e safety earthing termind max. frequency f <sub>(max)</sub> river over-heat, over-fr	nal (threaded inserts).  Higher rep rates require option HFS. equency, low auxiliary voltage. L = Fault.	jitter).
	Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output Inhibit Signal Input	Le Le Le	mo Pin 1: TTL co mo Shielding: The mo Pin 4: The 5 V mo Pin 3: TTL out mo Pin 2: TTL cor	e logic ground input is use tput, short cir inpatible, Sch	d is interna d for rep ra rcuit proof. nmitt-Trigg	ally connected with the ates up to the specifie Indicating switch & di er characteristics for t	e safety earthing termin d max. frequency f <sub>(max)</sub> river over-heat, over-fr the connection of exter	nal (threaded inserts).  h. Higher rep rates require option HFS. requency, low auxiliary voltage. L = Fault. rnal safety circuits. L = Switch Inhibited.	
FUNCTIONS HO	Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output Inhibit Signal Input LED Indicators	Le Le Le	mo Pin 1: TTL co mo Shielding: The mo Pin 4: The 5 V mo Pin 3: TTL out mo Pin 2: TTL cor Green: "Auxiliary	e logic ground / input is use tput, short cir mpatible, Sch power good	d is internated for rep range from the control of t	ally connected with the ates up to the specifie Indicating switch & dier characteristics for the FF". Yellow: "Con	e safety earthing termin d max. frequency f <sub>(max)</sub> river over-heat, over-fr the connection of extent trol signal received, sw	nal (threaded inserts).  h. Higher rep rates require option HFS. requency, low auxiliary voltage. L = Fault. rnal safety circuits. L = Switch Inhibited. witch ON". • "Red: "Fault condition, switch	OFF"
	Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output Inhibit Signal Input LED Indicators • • • Temperature Protection Air Cooling	Le Le Le Sta	mo Pin 1: TTL co mo Shielding: The mo Pin 4: The 5 V mo Pin 3: TTL out mo Pin 2: TTL cor Green: "Auxiliary andard switches ar	e logic ground input is use tput, short cir impatible, Sch inpower good and switches v	d is internated for representations of the content	ally connected with the ates up to the specifie Indicating switch & dier characteristics for term. Yellow: "Con FF". Yellow: "Con FC, CF and GCF: The	e safety earthing termin d max. frequency f <sub>(max)</sub> river over-heat, over-fr the connection of exter trol signal received, sv ermotrigger 75°C, resp	nal (threaded inserts).  b) Higher rep rates require option HFS. requency, low auxiliary voltage. L = Fault. rnal safety circuits. L = Switch Inhibited. vitch ON". ■ "Red: "Fault condition, switch ronse time < 60 s @ 3xPd(max), △T=25K (50)	OFF" to 75°C).
	Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output Inhibit Signal Input LED Indicators	Le Le Le Sta	mo Pin 1: TTL co mo Shielding: The mo Pin 4: The 5 V mo Pin 3: TTL out mo Pin 2: TTL cor Green: "Auxiliary andard switches ar vitches with option I	e logic ground / input is use tput, short cir mpatible, Sch power good and switches v DLC: 65°C, re	d is internal d for rep ra reuit proof. nmitt-Trigg l, switch O vith options esponse tim	ally connected with the ates up to the specifie Indicating switch & duer characteristics for tFF". • Yellow: "Con FC, CF and GCF: Thue < 3 s @ 3xPd(max),	e safety earthing termin d max. frequency $f_{(max)}$ river over-heat, over-fr the connection of exter trol signal received, sv ermotrigger 75°C, resp $\Delta T = 25K$ (40 to 65°C), c	nal (threaded inserts).  b. Higher rep rates require option HFS. requency, low auxiliary voltage. L = Fault. rnal safety circuits. L = Switch Inhibited. vitch ON". ■ "Red: "Fault condition, switch sonse time < 60 s @ 3xPd(max), △T=25K (50 coolant flow > 3I / min. Separate driver protection	OFF" to 75°C).
	Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output Inhibit Signal Input LED Indicators • • Temperature Protection Air Cooling Temperature Protection DLC Coolin	Le Le Le Sta	mo Pin 1: TTL commo Shielding: The mo Pin 4: The 5 V mo Pin 3: TTL out mo Pin 2: TTL cor Green: "Auxiliary andard switches ar vitches with option L	e logic ground input is use tput, short cir mpatible, Sch power good and switches v DLC: 65°C, re cow Pass. Input fi	d is internal d for rep ra reuit proof. nmitt-Trigg , switch O vith options esponse tim ilter for increa	ally connected with the ates up to the specifie Indicating switch & dier characteristics for term. Yellow: "Con: FC, CF and GCF: The e < 3 s @ 3xPd(max), sed noise immunity.	e safety earthing termin d max. frequency f <sub>(max)</sub> river over-heat, over-fre the connection of extent trol signal received, sv ermotrigger 75°C, resp $\Delta$ T=25K (40 to 65°C), c Option FO-I	nal (threaded inserts).  b) Higher rep rates require option HFS. requency, low auxiliary voltage. L = Fault. rnal safety circuits. L = Switch Inhibited. witch ON". ■ "Red: "Fault condition, switch ronse time < 60 s @ 3xPd(max), △T=25K (50 secolant flow > 3I / min. Separate driver protection Fibre Optics Input fort the inhibit and PPC signal	OFF" to 75°C).
	Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output Inhibit Signal Input LED Indicators • • Temperature Protection Air Cooling Temperature Protection DLC Coolin HTS 151-30-SiC-GSI	Le Le Le Sta	mo Pin 1: TTL commo Shielding: The mo Pin 4: The 5 V mo Pin 3: TTL out mo Pin 2: TTL cordinates and ard switches are vitches with option LP	e logic ground / input is use tput, short cir mpatible, Sch power good nd switches v DLC: 65°C, re- .ow Pass. Input fi ligh Frequency E	d is internal d for rep ra reuit proof. nmitt-Trigg , switch O with options esponse tim ilter for increa Burst (improve	ally connected with the lates up to the specifie Indicating switch & dier characteristics for term. Yellow: "Con FF". Yellow: "Con FC, CF and GCF: The Sign of	e safety earthing termin d max. frequency f <sub>(max)</sub> river over-heat, over-frithe connection of extentrol signal received, svermotrigger 75°C, resp $\Delta$ T=25K (40 to 65°C), c Option FO-I Option FO-F	nal (threaded inserts).  b) Higher rep rates require option HFS. requency, low auxiliary voltage. L = Fault. rnal safety circuits. L = Switch Inhibited. witch ON". ■ "Red: "Fault condition, switch ronse time < 60 s @ 3xPd(max), △T=25K (50 coolant flow > 3I / min. Separate driver protection  Fibre Optics Input fort the inhibit and PPC signal Fibre Optics Output for the fault signal	OFF" to 75°C).
FUNCTIONS	Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output Inhibit Signal Input LED Indicators • • Temperature Protection Air Cooling Temperature Protection DLC Coolin	Le Le Le Sta	mo Pin 1: TTL commo Shielding: The mo Pin 4: The 5 V mo Pin 3: TTL out mo Pin 2: TTL cordinates and ard switches are witches with option I Option LP	e logic ground / input is use tput, short cin mpatible, Sch power good nd switches v DLC: 65°C, re .ow Pass. Input if tigh Frequency E tigh Frequency S	d is internal d for rep racuit proof. nmitt-Trigg , switch O with options esponse tim ilter for increa Burst (improve Switching (two	ally connected with the ates up to the specifie Indicating switch & dier characteristics for term. Yellow: "Con: FC, CF and GCF: The e < 3 s @ 3xPd(max), sed noise immunity.	e safety earthing termin d max. frequency f <sub>(max)</sub> river over-heat, over-frithe connection of extentrol signal received, svermotrigger 75°C, resp $\Delta$ T=25K (40 to 65°C), c Option FO-I Option FO-F	nal (threaded inserts).  b) Higher rep rates require option HFS. requency, low auxiliary voltage. L = Fault. rnal safety circuits. L = Switch Inhibited. witch ON". ■ "Red: "Fault condition, switch ronse time < 60 s @ 3xPd(max), △T=25K (50 secolant flow > 3I / min. Separate driver protection Fibre Optics Input fort the inhibit and PPC signal	OFF" to 75°C). n.
FUNCTIONS	Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output Inhibit Signal Input LED Indicators • • Temperature Protection Air Cooling Temperature Protection DLC Coolin HTS 151-30-SiC-GSI	Le Le Le Sta	mo Pin 1: TTL como Shielding: The mo Pin 4: The 5 V mo Pin 3: TTL out mo Pin 2: TTL cordinate and and switches are witches with option LP	e logic ground input is use tput, short cir mpatible, Sch power good nd switches v DLC: 65°C, recow Pass. Input figh Frequency E tigh Frequency E soft Transition Timendividually increase	d is internal d for rep ra reuit proof. nmitt-Trigg , switch O vith options exponse tim iller for increa Burst (improve switching (two with options are spense tim exponse tim iller for increa Burst (improve) switching (two witching (two and the seed "Min. On.")	ally connected with the ates up to the specifie Indicating switch & duer characteristics for the FF". Yellow: "Construction of the State of the Stat	e safety earthing termin d max. frequency f <sub>(max)</sub> river over-heat, over-frequency fine connection of extended in the connecti	nal (threaded inserts).  b. Higher rep rates require option HFS.  requency, low auxiliary voltage. L = Fault.  requency, low auxiliary voltage. L = Fault.  real safety circuits. L = Switch Inhibited.  witch ON". ■ "Red: "Fault condition, switch  ronse time < 60 s @ 3xPd(max), △T=25K (50 max)  coolant flow > 3l / min. Separate driver protection  Fibre Optics Input for the inhibit and PPC signal  Fibre Optics Output for the fault signal  Flame retardant casting resin, UL94-V0  Integrated Free-Wheeling Diode. In connection with inductive ke  Integrated Free-wheeling Diode Network. In connection with inductive ke  Integrated Free-wheeling Diode Network. In connection with inductive ke  Integrated Free-wheeling Diode Network. In connection with inductive ke  Integrated Free-wheeling Diode Network. In connection with inductive ke  Integrated Free-wheeling Diode Network. In connection with inductive ke  Integrated Free-wheeling Diode Network. In connection with inductive ke  Integrated Free-wheeling Diode Network. In connection with inductive ke  Integrated Free-wheeling Diode Network. In connection with inductive ke  Integrated Free-wheeling Diode Network. In connection with inductive ke  Integrated Free-wheeling Diode Network. In connection with inductive ke  Integrated Free-wheeling Diode Network. In connection with inductive ke  Integrated Free-wheeling Diode Network. In connection with inductive ke  Integrated Free-wheeling Diode Network. In connection with inductive ke  Integrated Free-wheeling Diode Network. In connection with inductive ke  Integrated Free-wheeling Diode Network. In connection with inductive ke  Integrated Free-wheeling Diode Network. In connection with inductive ke  Integrated Free-wheeling Diode Network. In connection with inductive ke  Integrated Free-wheeling Diode Network. In connection with inductive ke  Integrated Free-wheeling Diode Network. In connection with inductive ke  Integrated Free-wheeling Diode Network. In connection with inductive ke  Integrated Free-wheeling Diode Network.	OFF" to 75°C). n. oad only. ductive load.
FUNCTIONS	Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output Inhibit Signal Input LED Indicators Temperature Protection Air Cooling Temperature Protection DLC Coolin  HTS 151-30-SiC-GSI Push-Pull Switch, 15 kV, 300 For further ordering options please to our on-line catalog, section C	Le Le Le Sta g Sw  VI A refer 28.	mo Pin 1: TTL commo Shielding: The mo Pin 4: The 5 V mo Pin 3: TTL out mo Pin 2: TTL cordinary and and switches are witches with option LP	e logic ground in use that, short cirmpatible, Sch power good and switches vol. C: 65°C, recow Pass. Input figh Frequency Edigh Frequency Edigh Freitston Timodividually increandividually incre	d is internal d for rep raccuit proof. In mitt-Trigg, switch O with options as ponse tim liter for increadurst (improves the decrease the decrease the most of the decrease the decrease the decrease the most of the decrease the dec	ally connected with the lates up to the specifie Indicating switch & dier characteristics for the FF". Yellow: "Con FC, CF and GCF: The le < 3 s @ 3xPd(max), sed noise immunity. d capability by external auxiliary supply inputs V1 & rise and fall time by 20%. Time" to avoid unwanted to avoid unwanted.	e safety earthing termin d max. frequency f <sub>(max)</sub> river over-heat, over-freshe connection of extentrol signal received, svermotrigger 75°C, resp $\Delta T=25K$ (40 to 65°C), c Option FO-I Option FO-F V2) Option UL-94 Option I-FWD Option I-FWDN Option LC-AH-DR	nal (threaded inserts).  b. Higher rep rates require option HFS. requency, low auxiliary voltage. L = Fault. rmal safety circuits. L = Switch Inhibited. witch ON". ■ "Red: "Fault condition, switch ronse time < 60 s @ 3xPd(max), △T=25K (50 coolant flow > 3I / min. Separate driver protection Fibre Optics Input fort the inhibit and PPC signal Fibre Optics Output for the fault signal Flame retardant casting resin, UL94-V0 Integrated Free-Wheeling Diode. In connection with inductive le Integrated Free-Wheeling Diode Network. In connection with inc Removeable Power Driver, DLC cooling, solid aluminum housi	OFF" to 75°C). n. oad only. ductive load. ing
FUNCTIONS	Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output Inhibit Signal Input LED Indicators • • Temperature Protection Air Cooling Temperature Protection DLC Coolin HTS 151-30-SiC-GSI Push-Pull Switch, 15 kV, 300 For further ordering options please	Le Le Le Sta g Sw  VI A refer 28.	mo Pin 1: TTL commo Shielding: The mo Pin 4: The 5 V mo Pin 3: TTL out mo Pin 2: TTL cordustrated and a switches are vitches with option LP	e logic ground in use that, short cirmpatible, Sch power good and switches volumes. Once the switches witches	d is internal d for rep raccuit proof. In mitt-Trigg , switch O with options esponse tim liter for increasurst (improve switching (two e decrease the sased "Min. Off trol for pause through the form of the sased "Min. Off trol for pause the sased "Min. Off trol	ally connected with the ates up to the specifie Indicating switch & dier characteristics for the FF". Yellow: "Con FC, CF and GCF: The G S 3 & 3xPd(max), sed noise immunity. It is auxiliary supply in auxiliary supply in 20%. Time" to avoid unwanted to between pos. and neg. pulse between pos. and neg. pulse sizes and fall fime by 20%.	e safety earthing termin d max. frequency f <sub>(max)</sub> river over-heat, over-frethe connection of extentrol signal received, svermotrigger 75°C, resp $\Delta T=25K$ (40 to 65°C), c Option FO-F Option FO-F Option FWD Option I-FWDN Option I-FWDN Option LC-AH-DR Option SEP-C	nal (threaded inserts).  b. Higher rep rates require option HFS.  requency, low auxiliary voltage. L = Fault.  rnal safety circuits. L = Switch Inhibited.  witch ON". ■ "Red: "Fault condition, switch  sonse time < 60 s @ 3xPd(max), △T=25K (50 i)  coolant flow > 3I / min. Separate driver protection  Fibre Optics Input fort the inhibit and PPC signal  Fibre Optics Output for the fault signal  Flame retardant casting resin, UL94-V0  Integrated Free-Wheeling Diode Network. In connection with inductive le  Integrated Freewheeling Diode Network. In connection with inductive le  Removeable Power Driver, DLC cooling, solid aluminum housi  Separated control unit. Control unit with LED indicators in a sep	OFF" to 75°C). n. oad only. ductive load. ing
	Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output Inhibit Signal Input LED Indicators Temperature Protection Air Cooling Temperature Protection DLC Coolin  HTS 151-30-SiC-GSI Push-Pull Switch, 15 kV, 300 For further ordering options please to our on-line catalog, section C	Le Le Le Sta g Sw  VI A refer 28.	mo Pin 1: TTL commo Shielding: The mo Pin 4: The 5 V mo Pin 3: TTL out mo Pin 2: TTL cordinates and and switches are ditches with option LP	e logic ground input is use that, short cirmpatible, Schrower good and switches vol. C: 65°C, recow Pass. Input filigh Frequency Stoff Transition Time andividually increadividually increadividu	d is internal d for rep racult proof. I mitt-Trigg , switch O with options asponse timilater for increase used "Min. On assed "Min. On the formal to form the formal to formal the formal to formal the formal to formal the	ally connected with the lates up to the specifie Indicating switch & dier characteristics for the FF". Yellow: "Con FC, CF and GCF: The le < 3 s @ 3xPd(max), sed noise immunity. d capability by external auxiliary supply inputs V1 & rise and fall time by 20%. Time" to avoid unwanted to avoid unwanted.	e safety earthing termin d max. frequency f <sub>(max)</sub> river over-heat, over-freshe connection of extentrol signal received, svermotrigger 75°C, resp $\Delta T=25K$ (40 to 65°C), c Option FO-I Option FO-F V2) Option UL-94 Option I-FWD Option I-FWDN Option LC-AH-DR	nal (threaded inserts).  b. Higher rep rates require option HFS. requency, low auxiliary voltage. L = Fault. rmal safety circuits. L = Switch Inhibited. witch ON". ■ "Red: "Fault condition, switch ronse time < 60 s @ 3xPd(max), △T=25K (50 coolant flow > 3I / min. Separate driver protection Fibre Optics Input fort the inhibit and PPC signal Fibre Optics Output for the fault signal Flame retardant casting resin, UL94-V0 Integrated Free-Wheeling Diode. In connection with inductive le Integrated Free-Wheeling Diode Network. In connection with inc Removeable Power Driver, DLC cooling, solid aluminum housi	OFF" to 75°C).  n.  cad only. ductive load. ing parate fication.
FUNCTIONS	Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output Inhibit Signal Input LED Indicators Temperature Protection Air Cooling Temperature Protection DLC Coolin  HTS 151-30-SiC-GSI Push-Pull Switch, 15 kV, 300 For further ordering options please to our on-line catalog, section C	Le Le Le Sta g Sw  VI A refer 28.	mo Pin 1: TTL commo Shielding: The mo Pin 4: The 5 V mo Pin 3: TTL out mo Pin 2: TTL cordinated and a switches are sitches with option I option HFB	e logic ground input is use that, short cirmpatible, Schapower good and switches volumes. Soft Transition Timedividually increamed individually increamed individual increamed individual increamed individual increamed individual increamed individual increamed individual increamed	d is internal d for rep racult proof. A cruit prove a corease the assed "Min. On assed "Min. Off truit of for pause olation Volta solation Vo	ally connected with the lates up to the specifie Indicating switch & dier characteristics for the characteristics of the characteristics of the characteristics and the characteristics and the characteristics and the characteristics are characteristics and the characteristics are characteristics and the characteristics are characteristics. The characteristics are characteristics and the characteristics are characteristics and the characteristics are characteristics. The characteristics are characteristics and the characteristics are characteristics and the characteristics are characteristics. The characteristics are characteristics and the characteristics are characteristics and the characteristics are characteristics. The characteristics are characteristics and the characteristics are characteristics. The characteristics are characteristics are characteristics and the characteristics are characteristics. The characteristics are characteristics are characteristics and the characteristics are characteristics. The characteristics are characteristics are characteristics are characteristics and the characteristics are characteristics. The characteristics are characteristics are characteristics and the characteristics are characteristics. The characteristics are characteristics are characteristics and the characteristics are characteristics. The characteristics are characteristics are characteristics and characteristics are characteristics. The characteristics are characteristics are characteristics are characteristics and characteristics are characteristics. The characteristics are characteristics are characteristics and characteristics are characteristics are characteristics. The characteristics are c	e safety earthing termin d max. frequency f <sub>(max)</sub> river over-heat, over-freshe connection of extention signal received, swermotrigger 75°C, responder 50°C, comparison of the connection of extention signal received, swermotrigger 75°C, responder 50°C, comparison of the connection o	nal (threaded inserts).  Define the property of the property	OFF" to 75°C).  n.  oad only. ductive load. ing parate fication. iffic parts. or 3 to 10
FUNCTIONS	Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output Inhibit Signal Input LED Indicators Temperature Protection Air Cooling Temperature Protection DLC Coolin  HTS 151-30-SiC-GSI Push-Pull Switch, 15 kV, 300 For further ordering options please to our on-line catalog, section C	Le Le Le Le Sta g Sw  M A refer 28. c8.htm	mo Pin 1: TTL commo Shielding: The mo Pin 4: The 5 V mo Pin 3: TTL out mo Pin 2: TTL cordinated and switches are stitches with option E option HFB HOption HFB HOption Min-On In Option Min-On In	e logic ground input is use that, short cirmpatible, Schapower good and switches volumes. Soft Transition Timedividually increamed individually increamed individual increamed individual increamed individual increamed individual increamed individual increamed individual increamed	d is internal d for rep raccuit proof. In mitt-Trigg, , switch O with options as ponse timilater for increasurst (improve Surching (two de decrease if "Min. On assed "Min. On assed "Min. Off trof for pauses olation Voltage solation Voltage solation Voltas solation volta	ally connected with the lates up to the specifie Indicating switch & duer characteristics for the FF". Yellow: "Conserved States of the Yellow: "Yellow:	e safety earthing termin d max. frequency f <sub>(max)</sub> river over-heat, over-freshe connection of extentrol signal received, swermotrigger 75°C, resport of the connection of extentrol signal received, swermotrigger 75°C, resport of the connection of extentrol signal received, swermotrigger 75°C, resport of the connection	nal (threaded inserts).  b. Higher rep rates require option HFS.  requency, low auxiliary voltage. L = Fault.  rnal safety circuits. L = Switch Inhibited.  witch ON". ■ "Red: "Fault condition, switch  conse time < 60 s @ 3xPd(max), △T=25K (50 incolant flow > 3I / min. Separate driver protection  Fibre Optics Input fort the inhibit and PPC signal  Fibre Optics Output for the fault signal  Flame retardant casting resin, UL94-V0  Integrated Free-Wheeling Diode. In connection with inductive keep in the provided in the provi	OFF" to 75°C).  n.  coad only. ductive load. ing paratle fication. ific parts. or 3 to 10 tor 3 to 15