	Specification	Symbol	ymbol Condition / Comment						HTS 301-60 SiC Unit		
	Maximum Operating Voltage	$V_{O(max)}$	I <sub>off</sub> < 270 إ	$I_{\text{off}}$ < 270 $\mu$ ADC, $T_{\text{case}}$ = 70°C						30	kVDC
	Maximum Isolation Voltage	VI	Between	Between HV switch and control / GND, continuously						± 40	kVDC
35	Max. Housing Insulation Voltage	V <sub>INS</sub>	Between switch and housing surface, 3 minutes							± 50	kVDC
RATINGS	Maximum Turn-On Peak Current	I <sub>P(max)</sub>	$T_{case}$ = $t_p$ < 200 $\mu$ s, duty cycle <1%							600	
AT			25°C	t <sub>p</sub> < 1 ms, duty cycle <1%						360	ADC
				$t_p$ < 10 ms, duty cycle <1%						115	
ZM				t <sub>p</sub> < 100 ms, duty cycle <1%						60	
MAXIMUM	Maximum Continuous Load Current	$I_{L(max)}$	T <sub>case</sub> =	T <sub>case</sub> = Standard devices						2.52	ADC
4X			25°C Devices with option DLC							60	
M	Max. Continuous Power Dissipation	$P_{d(max)}$	T <sub>case</sub> =							50	
1E			25°C							2600	Watt
4 <i>BSOLUTE</i>	Linear Derating		Above	*						0.12	
SO			25°C	Devices wit						160	W/K
18	Operating Temperature Range	To		Standard devices & options CF, GCF, ILC. (Option DLC)						-4070	C°
•	Storage Temperature Range	Ts		Switches with option ILC may require frost protection!						-4080	C°
	Max. Permissible Magnetic Field	В		Homogeneous steady-field, surrounding the whole switch						25	mT
	Max. Auxilliary Voltage	V <sub>aux</sub>		Built-in overvoltage limiter (replaceable)						5.5	VDC
	Permissible Operating Voltage Range	Vo		Inipolar operation (one switch pole grounded or floated)						0 ± 30	kVDC
	Typical Breakdown Voltage	$V_{br}$	NOTE: V <sub>br</sub> is a test parameter for quality				I <sub>off</sub> > 0.5 mA			33	kVDC
	Typical Off-State Current	I <sub>off</sub>	control purposes only. Not applicable in off 70.5 mA  0.8xV <sub>0</sub> , T <sub>case</sub> =2570°C, reduced I <sub>off</sub> on request							< 270	μADC
	Typical Turn-On Resistance R <sub>stat</sub>				, reduced		equest P(max), T <sub>case</sub> =25°C			0.28	μλυσ
	Typical Fulli-Off Nesistance	stat	t <sub>p</sub> < 1μs, duty cycle < 1%				1.0 x I <sub>P(max)</sub> , T <sub>case</sub> =25°C			0.26	
						1.0 x I <sub>P(max)</sub> , I <sub>case</sub> = 25 °C 1.0 x I <sub>P(max)</sub> , T <sub>case</sub> = 70 °C				0.63	Ohm
	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
	Typical Output Pulse Jitter	Resistive load, U.1 x I <sub>P(max)</sub> , U.8 x V <sub>O(max)</sub> , 5U-5U%  Impedance matched input, V <sub>aux</sub> / V <sub>ctrl</sub> = 5.00 VDC							3	ns	
	Typical Turn-On Rise Time	t <sub>j</sub>	Resistive load, 10-90% $0.1 \times V_{O(max)}$ , $I_L = 0.1 \times I_{p(max)}$							25	113
	Typical fulli-off fuse fillie	r(on)	0.1 x V <sub>O(max)</sub> , I <sub>L</sub> = 0.1 x I <sub>p(max)</sub> 0.8 x V <sub>O(max)</sub> , I <sub>L</sub> = 0.1 x I <sub>p(max)</sub>							48	
				$0.8 \times V_{O(max)}, I_L = 0.1 \times I_{P(max)}$ $0.8 \times V_{O(max)}, I_L = 1.0 \times I_{P(max)}$						55	ns
CS	Maximum Turn-On Time	t <sub>on(max)</sub>	No limitati	ion		0.0 % 1	O(max), iL 1.0 X i	p(IIIax)	∞ ×		
CHARACTERISTICS	Minimum Turn-On Time	t <sub>on(min)</sub>		t <sub>on(min)</sub> can be customized. Please consult factory						200	ns
RIS	Maximum Turn-Off Time	t <sub>off(max)</sub>	No limitati		u. i icasc	corrount	lactory			∞	110
TE	Minimum Turn-Off Time	t <sub>off(min)</sub>	t <sub>off(min)</sub> can be customized. Please consult factory							200	ns
4C	Max. Continuous Switching	f <sub>(max)</sub>						otion		<5	113
4 <i>R</i> .	Frequency	I(max)	0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,							30	
CH.	requency	O-4 LIFO					,		70	kHz	
- 1	Maximum Burst Frequency	f <sub>b(max)</sub>	1 0 1					011		500	kHz
ELECTRICAL	Maximum Number of Pulses / Burst		Use option HFB for >10 pulses within 20µs or less								
RI	Maximum Number of Pulses / Burst	N <sub>(max)</sub>		@ f <sub>b(max)</sub> Note: Option HFB requires external buffer capacitors with a voltage rating of > 630VDC and a cpacitance of 100nF per additional  Option HFB  Option HFB						> 10 Use option HFB for >10 >100	Pulses
CI			Note: Option H							>100	
.T.E	Coupling Capacitance	Cc	nuloo	•		. Оризна в				<1000	pF
F		HV side against control side								<u> </u>	
	Natural Capacitance Control Voltage Range	V <sub>ctrl</sub>		Between switch poles, @ $0.5 \times V_{O(max)}$ The $V_{ctrl}$ has no impact on the output pulse shape.						<50 3 10	p⊦ VDC
	Auxiliary Supply Voltage Range	Vaux		he +5 V supply is not required in the HFS mode.						5	VDC
	Typical Auxiliary Supply Current	<b>.</b>		0 VDC, T <sub>case</sub> =		i tilo i ii	0.01 x f <sub>(n</sub>	,		TBD	VDO
	Typical Auxiliary Supply Current	I <sub>aux</sub>						nax)		800	mADC
	Fault Signal Output		Active current limitation above 1A. @ f <sub>(max)</sub>							H=4V, L=0.5V	VDC
	i duit oighai output		Switch will be turn off, if f>f <sub>(max)</sub> , V <sub>aux</sub> <4.75V or T <sub>case</sub> >75°C Fault condition is indicated by a logical "L"							11-4V, L-0.5V	VDO
	Opt. HFS, Ext. Supply Voltage V1				,	•				15	VDC
	Opt. HFS, Ext. Supply Voltage V1 V <sub>HFS</sub> Opt. HFS, Ext. Supply Voltage V2 V <sub>HFS</sub>		Stability ±3%, current consumption <0.4 mA/kHz @ 25°C Stability ±3%, current consumption <0.9 mA/kHz @ 25°C							TBD	VDC
	Intrinsic Diode Forward Voltage V <sub>F</sub>					0.01	(11.11 12 100 20 0			<60	VDC
	I Intrinsic Diode Forward Voltage			$T_{case} = 25$ °C, $I_F = 0.3$ x $I_{P(max)}$ $T_{case} = 25$ °C, $I_F = 0.3$ x $I_{P(max)}$ di/dt = 100 A/ $\mu$ s							1 V DO
			T = 25°	°C I-= 0 3 v	ln/men di/d	t = 100	A/us	+		<50	ne
	Diode Reverse Recovery Time	t <sub>rrc</sub>			I <sub>P(max),</sub> di/d	t = 100 /	A/µs			<50	ns
5			Standard	housing			•			Please contact the	
ING	Diode Reverse Recovery Time	t <sub>rrc</sub>	Standard Devices w	housing vith option CF	, non-isola		•				ns mm³
USING	Diode Reverse Recovery Time Dimensions	t <sub>rrc</sub>	Standard Devices w Devices w	housing vith option CF vith option DL	, non-isola		•			Please contact the manufactured!	
HOUSING	Diode Reverse Recovery Time	t <sub>rrc</sub>	Standard Devices w Devices w Standard	housing vith option CF vith option DL housing	, non-isola C	ited cool	ling fins			Please contact the manufactured!  Please contact the	mm³
HOUSING	Diode Reverse Recovery Time Dimensions	t <sub>rrc</sub>	Standard Devices w Devices w Standard Devices w	housing vith option CF vith option DL housing vith option CF	, non-isola C , non-isola	ited cool	ling fins			Please contact the manufactured!	
	Diode Reverse Recovery Time Dimensions  Weight  Control Signal Input   Pin 1 / Yellow. T	t <sub>rrc</sub> LxWxH	Standard Devices w Devices w Standard Devices w Devices w www.with Schmitt-T	housing vith option CF vith option DL housing vith option CF vith option DL rigger characterist	, non-isola C , non-isola C	ated cool	ling fins		jitter).	Please contact the manufactured!  Please contact the	mm³
	Diode Reverse Recovery Time Dimensions  Weight  Control Signal Input Logic GND / 5V Return  Pin 1 / Yellow. T Pin 2 / Black. Tr	t <sub>rrc</sub> LxWxH  TL compatible e ground pin i	Standard Devices w Devices w Standard Devices w Devices w with Schmitt-Ts internally con	housing vith option CF vith option DL housing vith option CF vith option DL frigger characterist nected with the sa	, non-isola C , non-isola C cics. Control v	ated cool	ling fins ling fins 0 V (3-5 V recommend breaded insert) on bott	tom side.		Please contact the manufactured!  Please contact the	mm³
	Diode Reverse Recovery Time Dimensions  Weight  Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output Pin 2 / Black. Th Pin 3 / Red. The Fault Signal Output Pin 4 / Orange.	TL compatible e ground pin i 5 V input is u	Standard Devices w Devices w Standard Devices w Devices w with Schmitt-on sed for rep rate ort circuit proof	housing vith option CF vith option DL housing vith option CF vith option DL frigger characterist nected with the sa s up to the specific f. Indicating switch	, non-isola C , non-isola C  iics. Control v ffety earthing ed max. frequ & driver over	ated cool  oltage 2-10  terminal (tr  ency f <sub>(max)</sub> -heat, over	ling fins ling fins  0 V (3-5 V recommend inreaded insert) on both with the properties require frequency, low auxiliary.	tom side. uire option l ary voltage	HFS. e. L = Fau	Please contact the manufactured!  Please contact the manufactured!	mm³
	Diode Reverse Recovery Time  Dimensions  Weight  Control Signal Input Logic GND / 5V Retum 5V Auxiliary Supply Fault Signal Output Inhibit Signal Input Pin 3 / Red. The Pin 4 / Orange. Pin 5 / Green. The	TL compatible e ground pin i 5 V input is u TL compatible for compatible the compatible that the compatibl	Standard Devices w Devices w Standard Devices w Devices w with Schmitt-Ts s internally con sed for rep rate ort circuit proof, Schmitt-Trigge	housing with option CF with option DL of housing with option CF with option DL of Trigger characterist mected with the sa is up to the specific. Indicating switch or characteristics of the production of the same of the sam	, non-isola C , non-isola C ciics. Control v fety earthing: ed max. frequ & driver over	tted cool oltage 2-1( terminal (the ency f (max).) -heat, over	ling fins  O V (3-5 V recommend hreaded insert) on bott Higher rep rates requerates requested inserty of the many control of t	tom side. uire option I ary voltage = Switch Ir	HFS. e. L = Fau nhibited.	Please contact the manufactured!  Please contact the manufactured!	mm³
FUNCTION HOUSING	Diode Reverse Recovery Time  Dimensions  Weight  Control Signal Input Logic GND / 5V Return Sy Auxiliary Supply Fault Signal Output Inhibit Signal Input LED Indicators Temperature Protection A) Standard swith	t <sub>rrc</sub> LxWxH  TL compatible e ground pin i 5 V input is u TL cutput, sh L compatible ry power goodhes and switch	Standard Devices w Devices w Standard Devices w Devices w with Schmitt-Tis s internally con sed for rep rate ort circuit proof Schmitt-Tigge the with option in hes with option in	housing with option CF with option DL housing with option CF with option CF with option DL frigger characterist nected with the sa is up to the specifi fi. Indicating switch or characteristics f YELLOW: "Com CF, CGF: Thermot CF, CGF: Thermot	, non-isola C C c itics. Control v ifety earthing ed max. frequ & driver over or the connec trol signal receitings r5°C, r	oltage 2-10 oltage 2-10 terminal (thency f <sub>(max)</sub> - heat, over tion of exte	ling fins  O V (3-5 V recommend readed insert) on both thigher prates requirefrequency, low auxiliernal safety circuits. Let ON''. RED: "Fault	tom side. uire option I ary voltage = Switch In condition,	HFS. e. L = Fau nhibited. switch OF	Please contact the manufactured!  Please contact the manufactured!	mm³
	Diode Reverse Recovery Time  Dimensions  Weight  Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output Inhibit Signal Input LED Indicators Temperature Protection A) Standard Swith 3 s @ 3xPd(max).	trc  LxWxH  TL compatible e ground pin i 5 V input is u TTL compatible ric compatible y power goor been good by power goor been and switch and TE 25K (40 tc	Standard Devices w Devices w Standard Devices w Devices w with Schmitt-Ts internally consed for rep rate ort circuit proof, Schmitt-Trigger, switch OFF", see with option 165°C), codart ff	housing with option CF with option DL housing with option CF with option CF with option DL frigger characterist nected with the sa s up to the specific f. Indicating switch er characteristics f YELLOW: "Cont CF, GCF: Theo flow > 31/min. Sepa	, non-isola C , non-isola C iics. Control v fety earthing ed max. frequ & driver over or the connec trol signal rec trigger 75°C, rate driver prot	oltage 2-10 terminal (the ency f <sub>(max)</sub> heat, over teived, switch septons timeston.	ling fins  O V (3-5 V recommend hreaded insert) on bott Higher rep rates requirefrequency, low auxiliernal safety circuits. Lich ON". RED: "Fault me < 60 s @ 3xPd(max	tom side. uire option I ary voltage = Switch II condition, s x), $\Delta T$ =25K	HFS. e. L = Fau nhibited. switch OF	Please contact the manufactured!  Please contact the manufactured!  It.  FF"  *C). Separate driver protection. <b>B</b> ) Switches with option DLC: 65°C, response.	mm³
	Diode Reverse Recovery Time  Dimensions  Weight  Control Signal Input Logic GND / 5V Return Sy Auxiliary Supply Fault Signal Output Inhibit Signal Input LED Indicators Temperature Protection A) Standard swith	TL compatible e ground pin i 5 V input is u TTL output, sh TL compatible ry power good bees and switc $\Delta T = 25K (40) K$	Standard Devices w Devices w Standard Devices w Devices w with Schmitt-Ts s internally consed for rep rate ort circuit proof Schmitt-Trigge 1, switch OFF". hes with option w LP Low	housing with option CF with option DL housing with option CF with option CF with option DL frigger characterist mected with the sa s up to the specific I indicating switch er characteristics f YELLOW. "Cont CF, GCF: Themoi I llow > 31/min Sepa w Pass. Input filter	, non-isola C , non-isola C C iics. Control v fety earthing ed max. frequ & driver or or the connec rol signal rec trigger 75°C, r rate driver prot for increased	oltage 2-10 terminal (trency f <sub>(max)</sub> -heat, over teived, swite exponse time ection.	ling fins  O V (3-5 V recommend hreaded insert) on bott Higher rep rates requirefrequency, low auxiliaernal safety circuits. Leth ON". RED: "Fault me < 60 s @ 3xPd(max hunity.)	tom side.  uire option I ary voltage = Switch II condition, s  A), \( \Delta T = 25K \)	HFS. e. L = Fau nhibited. switch OF (50 to 75)	Please contact the manufactured!  Please contact the manufactured!  It.  F"" "C). Separate driver protection. B) Switches with option DLC: 65°C, response.	mm³
FUNCTION	Diode Reverse Recovery Time  Dimensions  Weight  Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output Inhibit Signal Input LED Indicators Temperature Protection A) Standard Swith 3 s @ 3xPd(max).	trc  LxWxH  TL compatible e ground pin i 5 V input is u TTL compatible ric compatible y power goor been good by power goor been and switch and TE 25K (40 tc	Standard Devices w Devices w Standard Devices w Devices w Devices w Devices w with Schmitt-Ti se sinternally con Schmitt-Trigge J, switch OFF** hes with option 1 LP Lov HFB Hig	housing vith option CF vith option DL housing vith option CF vith option DL frigger characterist meeted with the sa is up to the specific. Indicating switch er characteristics YELLOW: "Cont CF, GCF: Thermot flows 31/min. Sepa w Pass. Input filter ph Frequency Burs	, non-isola C Cics. Control v fices. Control v fety earthing et max. frequ & driver over or the connec rol signal rec- trigger 75°C, r rate driver prot for increased t (improved ci	nted cool  oltage 2-10  terminal (max).  -heat, over  tion of exteined, switteined, switteined, switteined  cooling immapability by	ling fins  O V (3-5 V recommend hreaded insert) on bott Higher rep rates requirefrequency, low auxiliaernal safety circuits. Leth ON". RED: "Fault me < 60 s @ 3xPd(max hunity.)	tom side. uire option I ary voltage = Switch II condition, s x), $\Delta T$ =25K	HFS. b. L = Fau nhibited. switch OF (50 to 75)	Please contact the manufactured!  Please contact the manufactured!  It.  FF"  *C). Separate driver protection. <b>B</b> ) Switches with option DLC: 65°C, response.	mm³ g
FUNCTION	Diode Reverse Recovery Time  Dimensions  Weight  Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output Inhibit Signal Input LED Indicators Temperature Protection A) Standard Swith 3 s @ 3xPd(max).	trrc  LxWxH  LxWxH  TL compatible e ground pin i 5 V input is u TTL output, sh TTL compatible ry power good shes and switc \(\Delta \text{T-25K}\) (40 to \(\Delta \text{Doling}\) Option  Option	Standard Devices w Devices w Standard Devices w Devices w with Schmitt-Ti s internally con Schmitt-Trigge hes with option w 66°C), coolart f LP Low HFB Hig HFS Hig	housing vith option CF vith option DL housing vith option CF vith option DL frigger characterist meeted with the sa is up to the specific. Indicating switch er characteristics YELLOW: "Cont CF, GCF: Thermot flows 31/min. Sepa w Pass. Input filter ph Frequency Burs	, non-isola C , non-isola C cics. Control v fety earthing ed max. frequ. & driver over or the connec rot signal rec- trid signal rec- trid signal rec- trid provided cut- for increased t (improved cut- ching (two aux	nted cool  oltage 2-10  terminal (max).  -heat, over  tion of exteined, switteined, switteined, switteined  cooling immapability by	ling fins  0 V (3-5 V recommend hreaded insert) on bott . Higher rep rates requerfrequency, low auxiliated to the condition of the condition o	tom side. sire option I ary voltage = Switch Ir condition, s c), $\Delta T$ =25K  Option U  Option I-	HFS. e. L = Fau nhibited. switch OF (50 to 75) IL-94 -FWD	Please contact the manufactured!  Please contact the manufactured!  It.  Fr'  "C). Separate driver protection. B) Switches with option DLC: 65°C, responsible for the second of the seco	mm³ g
FUNCTION	Diode Reverse Recovery Time  Dimensions  Weight  Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output Inhibit Signal Input LED Indicators Temperature Protection A) Standard Swith 3 s @ 3xPd(max).	TL compatible e ground pin in TL compatible e ground pin in TL compatible	Standard Devices w Devices w Standard Devices w Devices w with Schmitt-Ts internally con sed for rep rate ort circuit proof, Schmitt-Trigge d, switch OFF". hes with option of 65°C), coolant ft LP Lov HFB Hig HFB Hig HFB Inte S-TT Soft	housing with option CF with option DL housing with option CF with option CF with option DL frigger characterist nected with the sa is up to the specific f. Indicating switch er characteristics f YELLOW: "Cont CF, CGF: Thermof flow 3 31/min. Sepa w Pass. Input filter gh Frequency Burs gh Frequency Swits grated High Freq t Transition Time de	, non-isola C cics. Control v fety earthing ed max. freque & driver over or the connec trol signal rec trigger 75°C, rate driver prot for increased t chimp (two au temper years)	nted cool  atted cool  oltage 2-10  terminal (the cool  heat, over  eived, switteseponse tin  ection  noise imm  apability by  killiary supp  and fall time	ling fins  O V (3-5 V recommend inreaded insert) on both inreaded insert) on both individual in the control of	tom side. uire option I ary voltage = Switch Ir condition, s (), \( \Delta T = 25K \)  Option U  Option I-  Option P  Option S	HFS.  b. L = Fau hhibited. switch OF (50 to 75)  IL-94 FWD FWDN PT-C SEP-C	Please contact the manufactured!  Please contact the manufactured!  Please contact the manufactured!  It.  FF"  C). Separate driver protection. B) Switches with option DLC: 65°C, responsible to the protection of the protection o	mm³ g
FUNCTION	Diode Reverse Recovery Time  Dimensions  Weight  Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output Inhibit Signal Input LED Indicators Temperature Protection A) Standard Swith 3 s @ 3xPd(max).	TL compatible e ground pin is 5 V input is u TL compatible in TL compatibl	Standard Devices w Devices w Standard Devices w Devices w with Schmitt-Ts internally con sed for rep rate ort circuit proof, Schmitt-Trigge d, switch OFF". hes with option of 65°C), coolant ft LP Lov HFB Hig HFB Hig HFB Internally S-TT Soft Min-On Ind	housing with option CF with option DL housing with option CF with option CF with option DL frigger characterist nected with the sa is up to the specific findicating switch er characteristics f YELLOW: "Cont CF, GGF: Theru Hollow Surs hy Pass. Input filter h Frequency Swith segrated High Frequ t Transition Time de ividually increased	, non-isola C , non-isola C cics. Control v fety earthing ed with earthing & driver over or the connec rol signal rectinger 75°C, rate driver prot for increased t (improved cr ching (two aux uency Burst crease the rise	oltage 2-10 terminal (trency f(max)-heat, over tition of exterior switch of exterior of ex	ling fins  O V (3-5 V recommend inreaded insert) on both inreaded insert) on both Higher rep rates requirefrequency, low auxilia emal safety circuits. Lich ON'. RED: "Fault me < 60 s @ 3xPd(max nunity.  y external oly inputs V1 & V2 )  le by 20% d unwanted	tom side. uire option I ary voltage = Switch Ir condition, s (), \( \Delta T = 25K \)  Option I  Option I-  Option P  Option T  Option T	HFS.  b. L = Fau nhibited. switch OF. (50 to 75')  IL-94 FWD FWDN  PT-C BEP-C H	Please contact the manufactured!  Please contact the manufactured!  Please contact the manufactured!  It.  FF"  **C). Separate driver protection. <b>B)</b> Switches with option DLC: 65°C, responsible to the protection of the protecti	mm³ g g onsetime < d. d. or. ssing.
	Diode Reverse Recovery Time  Dimensions  Weight  Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output Inhibit Signal Input LED Indicators Temperature Protection A) Standard Swith 3 s @ 3xPd(max).	TL compatible e ground pin is 5 V input is u TL compatible in TL compatibl	Standard Devices w Devices w Standard Devices w Devices w with Schmitt-Ts s internally con sed for rep rate ort circuit proof, Schmitt-Trigge d, switch OFF". hes with option of 65°C), coolant ft LP Lov HFB Hig HFB Hig HFB Inte S-TT Soff Min-On Ind Min-Off Ind	housing with option CF with option DL housing with option CF with option CF with option DL frigger characterist nected with the sa is up to the specific frigger characteristics f yellow: "Conf GCF, GCF: Thermol flow > 31/ min. Sepa w Pass. Input filter gh Frequency Burs berequency Burs t Transition Time de ividually increased ividually increased	, non-isola C cics. Control v fety earthing ed max. frequ & driver over or the connec rol signal rec- tringger 75°C, rate driver prot for increased t (improved ci ching (two aux uency Burst crease the rise "Min. On-Tin "Min. Off-Tir	oltage 2-10 terminal (treminal (trem	ling fins  O V (3-5 V recommend inreaded insert) on both inreaded insert) on both individual in the control of	tom side.  uire option I ary voltage = Switch Ir condition, sc), \( \Delta T = 25K \)  Option U  Option I-  Option S  Option C	HFS.  a. L = Fau nhibited. switch OF (50 to 75)  IL-94 FWD FWDN  PT-C BEP-C H	Please contact the manufactured!  Please contact the manufactured!  Please contact the manufactured!  It.  FF"  **C). Separate driver protection. <b>B)</b> Switches with option DLC: 65°C, responsible to the protection of the protecti	mm³ g g d. d. or. ssing.
FUNCTION	Diode Reverse Recovery Time  Dimensions  Weight  Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output Inhibit Signal Input LED Indicators Temperature Protection A) Standard Swith 3 s @ 3xPd(max).	TL compatible e ground pin is 5 V input is u TL compatible runtil to uptut, st TL compatible runtil to uptut in uptut runtil to uptut runtil	Standard Devices w Devices w Standard Devices w Devices w with Schmitt-Ts internally con sed for rep rate ort circuit proof, Schmitt-Trigge d, switch OFF". hes with option of 65°C), coolant ft LP Lov HFB Hig HFB Hig HFB Inte S-TT Soff Min-On Ind Min-Off Ind PCC Pul	housing with option CF with option DL housing with option CF with option CF with option CF with option DL frigger characterist nected with the sa is up to the specific f. Indicating switch er characteristics f vFeLLOW: "Com I flow 31/ min. Sepa w Pass. Input filter gh Frequency Burs ph Frequency Switt grated High Freq t Transition Time de ividually increased ividually increased ser Configuration.	, non-isola C  , non-isola C  cics. Control v fety earthing ed max. freque & driver over or the connector of signal rectified and the connector of the connecto	nted cool  atted cool  oltage 2-10  terminal (the minal	ling fins  O V (3-5 V recommend in readed insert) on both in readed insert) on both in readed insert) on both in readed insert) on the requency, low auxilia emal safety circuits. Let ne < 60 s @ 3xPd(max nunity.  y external olly inputs V1 & V2 )  the by 20% of unwanted did unwanted eustom specific	tom side. uire option I ary voltage E Switch II condition, ( ), \( \Delta T = 25K \) Option U Option I- Option P Option S Option T Option C	HFS. 2. L = Fau hitted. 2. K = Fau hitted. 3. Switch OF 2. (50 to 75)  3. Switch OF 3. (50 to 75)  3. Switch OF 4. FWD 4. FWD 4. FWD 5. FWDN 6. SEP-C 6. SEP-C 6. SEP-C 6. SEF	Please contact the manufactured!  Please contact the manufactured!  Please contact the manufactured!  It.  FF"  **C). Separate driver protection. B) Switches with option DLC: 65°C, responsible to the protection of the protection	mm³ g g d. or. ssing. o.
FUNCTION	Diode Reverse Recovery Time  Dimensions  Weight  Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output Inhibit Signal Input LED Indicators Temperature Protection A) Standard Swith 3 s @ 3xPd(max).	TL compatible e ground pin is 5 V input is u TL compatible in TL compatibl	Standard Devices w Devices w Standard Devices w Devices w with Schmitt-Ts internally con sed for rep rate ort circuit proof, Schmitt-Trigge d, switch OFF". hes with option of 65°C), coolant ft LP Lov HFB Hig HFS Hig HFS Inte S-TT Soff Min-On Ind Min-Off Ind PCC Pul ISO-80 80k	housing with option CF with option DL housing with option CF with option CF with option CF with option DL frigger characterist nected with the sa is up to the specific frigger characterist indicating switch or characteristics f YELLOW: "Comt OF, CGF: Thermot flow 3 31/min. Sepa w Pass. Input filter play Frequency Burs ph Frequency Swits grated High Freq t Transition Time de ividually increased ividually increased ser Configuration. kV Isolation. Isolati	, non-isola C  , non-isola C  cics. Control v fety earthing ed max. freque & driver over or the connectrol signal rectinger 75°C, rate driver prot for increased trimproved citching (two aux lency Burst crease the rise "Min. On-Tin" Win. Off-Tir Switch comb	nted cool  atted cool  oltage 2-10  terminal (the minal	ling fins  O V (3-5 V recommend in readed insert) on both in readed insert) on both in readed insert) on both in readed insert) on the requency, low auxilia emal safety circuits. Let ne < 60 s @ 3xPd(max nunity.  y external olly inputs V1 & V2 )  the by 20% of unwanted did unwanted eustom specific	tom side.  uire option I ary voltage = Switch Ir condition, sc), \( \Delta T = 25K \)  Option U  Option I-  Option S  Option C	HFS. 2. L = Fau nhibited. switch OF (50 to 75)  IL-94 FWD FWDN  PT-C SEP-C H CF GCF LC	Please contact the manufactured!  Please contact the manufactured!  Please contact the manufactured!  It.  FF"  **C). Separate driver protection. <b>B)</b> Switches with option DLC: 65°C, responsible to the protection of the protecti	mm³ g g d. or. ssing. o.