	Specification		Symbol	Condition / Comment						HTS 61-60 SiC Uni		
	Maximum Operating Voltage			I _{off} < 50 μADC, T _{case} = 70°C							6	kVDC
	Maximum Isolation Voltage		Vi	Between HV switch and control / GND, continuously							± 25	kVDC
	Max. Housing Ins	V _{INS}	Between switch and housing surface, 3 minutes						± 50	kVDC		
	Maximum Turn-C	I _{P(max)}	T _{case} =	t _p < 200 μs,						600		
47	I	, ,	25°C							380	ADC	
8	I			t _p < 10 ms,						116		
N .	I			t _p < 100 ms, duty cycle <1%						60		
MAXIMUM	Maximum Continuous Load Current		I _{L(max)}	T _{case} = Standard devices 25°C Devices with option DLC						5.04	ADC	
MA	Max. Continuous I	P _{d(max)}	T _{case} = Standard devices & FC, forced air 4 m/s						120 9			
		,	25°C Devices with option DLC						1200	Watt		
BSOLUTE	Linear Derating		Above Standard devices & FC, forced air 4 m/s Devices with option DLC						0.004 20	W/K		
BS	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!						-4090	C°	
	Max. Permissible Magnetic Field		В	Homogeneous steady-field, surrounding the whole switch						25	mT	
	Max. Auxilliary Voltage		V _{aux}	Built-in overvoltage limiter (replaceable)						5.5	VDC	
	Permissible Operating Voltage Range		Vo	Unipolar operation (one switch pole grounded or floated)						0 ± 6	kVDC	
	Typical Breakdown Voltage		V_{br}	NOTE: $V_{\rm br}$ is a test parameter for quality control purposes only. Not applicable in				6.6	kVDC			
	Typical Off-State Current		l _{off}	0.8xV ₀ , T _{case} =2570°C, reduced loff			1			< 80	μADC	
	Typical Turn-On Resistance		R _{stat}		Each switching path 0.1 x I _{P(max)} , T _{case} =25°C						0.06	риво
	7)		-				1.0 x I _{P(max)} , T _{case} =25°C			0.125		
				1.0 x I _{P(max)} , T _{case} =70°C							0.25	Ohm
	Typical Propagation Delay Time		t _{d(on)}	Resistive	load, 0.1 x I _{P(1}	d, 0.1 x I _{P(max)} , 0.8 x V _{O(max)} , 50-50%					200	ns
	Typical Output Pulse Jitter		tj	Impedance matched input, Vaux / Vctrl =			,.			3	ns	
	Typical Turn-On Rise Time		t _{r(on)}	Resistive	load, 10-90%		0.1 x V _{O(max)} , I				20	
	I			$0.8 \times V_{O(max)}$, $I_L = 0.1 \times I_{p(max)}$						50		
S						$0.8 \times V_{O(max)}$, I	_L = 1.0 x I	p(max)		55	ns	
12	Maximum Turn-On Time		ton(max)	No limitation							∞	
	Minimum Turn-On Time		ton(min)	ton(min) can be customized. Please consult factory							200	ns
ER	Maximum Turn-Off Time		t _{off(max)}	No limitation							∞	
2	Minimum Turn-Off Time Max. Continuous Switching		t _{off(min)}	t _{off(min)} car	t _{off(min)} can be customized. Please consult factory						200	ns
		f _(max)	© V _{aux} = 5.00 V Sw. shutdown if f _(rea) is exceeded Standard devices with HFS option Standard devices with HFS supply Opt. HFS + sufficient cooling option							<5 100		
Ħ	Frequency							,		200	kHz	
	Maximum Burst Frequency		f., ,	Opt. Til 3 + Suilicient Cooling Option						2	MHz	
•	Maximum Number of Pulses / Burst		f _{b(max)}	Use option HFB for >10 pulses within 20µs or less						> 100 Use option HFB for >150	Pulses	
R	IVIAXIITIUITI NUITIDE	N _(max)		@ f _b (max) Standard Option I-HFB						>100 Use option HFB for >150 >1000	Fuises	
S	I				HFB requires external b DVDC and a cpacitance			Option HF			>1000	
	Coupling Capacitance		Сс	HV side against control side						<100	pF	
	Natural Capacitance		Cn	Between switch poles, @ 0.5 x V _{O(max)}						<50	pF	
	Control Voltage Range		V _{ctrl}	The V _{ctrl} has no impact on the output pulse shape.						3 10	VDC	
	Auxiliary Supply Voltage Range		V _{aux}	The +5 V	The +5 V supply is not required in the HFS mode.					5	VDC	
	Typical Auxiliary Supply Current		laux		00 VDC, T _{case} :			0.01 x f _{(n}	nax)		<250	
				Active current limitation above 1A. @ f _(max)								
	Fault Signal Output			Switch will be turn off, if f>f(max), Vaux<4.75V or Tcase>75°C								mADC
					rill be turn off, i	f f>f _(max) , V			,		H=4V, L=0.5V	mADC VDC
		•		Fault con	rill be turn off, indica	f f>f _(max) , Value	gical "L"	case>75°C			H=4V, L=0.5V	VDC
		Supply Voltage V1	V _{HFS(V1)}	Fault con Stability :	rill be turn off, indication is indication is indicated. ±3%, current communicated.	f f>f _(max) , V _a ted by a lo consumptio	gical "L" n <0.4 mA/kH:	z @ 25°C	;		H=4V, L=0.5V 15	VDC VDC
	Opt. HFS, Ext. S	Supply Voltage V1 Supply Voltage V2	VHFS(V2)	Fault con Stability : Stability :	rill be turn off, indition is indicated to the transfer of the	f f>f _(max) , Valted by a los consumptionsumpt	gical "L" n <0.4 mA/kH:	z @ 25°C	;		H=4V, L=0.5V 15 tbd.	VDC VDC VDC
	Opt. HFS, Ext. S Intrinsic Diode Fo	Supply Voltage V1 Supply Voltage V2 orward Voltage	V _{HFS(V2)}	Fault con Stability : Stability : T _{case} = 25	rill be turn off, indition is indicated to the turn off, indition is indicated to the turn of the turn off, in turn of the turn off, in turn off,	f f>f _(max) , V _a ted by a lo consumptio consumptio I _{P(max)}	gical "L" n <0.4 mA/kHz n <0.9 mA/kHz	z @ 25°C	;		H=4V, L=0.5V 15 tbd. 20	VDC VDC VDC VDC
	Opt. HFS, Ext. S Intrinsic Diode For Diode Reverse F	Supply Voltage V1 Supply Voltage V2 orward Voltage	VHFS(V2) VF trrc	Fault con Stability : Stability : T _{case} = 25 T _{case} = 25	ill be turn off, indition is indica ±3%, current c ±3%, current c 5°C, I _F = 0.3 x 5°C, I _F = 0.3 x	f f>f _(max) , V _a ted by a lo consumptio consumptio I _{P(max)}	gical "L" n <0.4 mA/kHz n <0.9 mA/kHz	z @ 25°C	;		H=4V, L=0.5V 15 tbd. 20 <250	VDC VDC VDC
9	Opt. HFS, Ext. S Intrinsic Diode Fo	Supply Voltage V1 Supply Voltage V2 orward Voltage	VHFS(V2) VF trrc	Fault con Stability = Stability = T _{case} = 25 T _{case} = 25 Standard	ill be turn off, indition is indicated: ±3%, current of ±3%, current of 5°C, I _F = 0.3 x 5°C, I _F = 0.3 x I housing	f f>f(max), Value de by a lo consumptio consumptio lP(max) lP(max), di/d	gical "L" n <0.4 mA/kHz n <0.9 mA/kHz lt = 100 A/μs	z @ 25°C z @ 25°C	;		H=4V, L=0.5V 15 tbd. 20 <250 115x75x75	VDC VDC VDC VDC ns
ING	Opt. HFS, Ext. S Intrinsic Diode For Diode Reverse F	Supply Voltage V1 Supply Voltage V2 orward Voltage	VHFS(V2) VF trrc	Fault con Stability : Stability : Tcase = 25 Tcase = 25 Standard Devices v	ill be turn off, indition is indicated: ±3%, current off: ±3%, current off: 5°C, IF= 0.3 x 5°C, IF= 0.3 x thousing with option CF	f f>f _(max) , V _s , ted by a lo consumptionsum	gical "L" n <0.4 mA/kHz n <0.9 mA/kHz lt = 100 A/μs	z @ 25°C z @ 25°C	;		H=4V, L=0.5V 15 tbd. 20 <250 115x75x75 Please contact the	VDC VDC VDC VDC
USING	Opt. HFS, Ext. S Intrinsic Diode Fo Diode Reverse F Dimensions	Supply Voltage V1 Supply Voltage V2 orward Voltage	VHFS(V2) VF trrc	Fault con Stability : Stability : T _{case} = 25 T _{case} = 25 Standard Devices v Devices v	ill be turn off, indition is indicated: ±3%, current of the curre	f f>f _(max) , V _s , ted by a lo consumptionsum	gical "L" n <0.4 mA/kHz n <0.9 mA/kHz lt = 100 A/μs	z @ 25°C z @ 25°C	;		H=4V, L=0.5V 15 tbd. 20 <250 115x75x75 Please contact the manufactured!	VDC VDC VDC VDC ns
HOUSING	Opt. HFS, Ext. S Intrinsic Diode For Diode Reverse F	Supply Voltage V1 Supply Voltage V2 orward Voltage	VHFS(V2) VF trrc	Fault con Stability : Stability : T _{case} = 29 T _{case} = 29 Standard Devices v Devices v Standard	ill be turn off, indition is indicated: ±3%, current of the curre	f f>f _(max) , V _i , ted by a loconsumption onsumption l _{P(max)} l _{P(max)} , di/di	gical "L" n <0.4 mA/kH; n <0.9 mA/kH; tt = 100 A/µs ted cooling fins	z @ 25°C z @ 25°C z @ 25°C	;		H=4V, L=0.5V 15 tbd. 20 <250 115x75x75 Please contact the manufactured! Please contact the	VDC VDC VDC VDC ns mm³
HOUSING	Opt. HFS, Ext. S Intrinsic Diode Fo Diode Reverse F Dimensions	Supply Voltage V1 Supply Voltage V2 orward Voltage	VHFS(V2) VF trrc	Fault con Stability: Stability: Tcase = 25 Tcase = 25 Standard Devices of Devices of Standard Devices of	ill be turn off, indition is indicated as $\pm 3\%$, current of $\pm 3\%$,	f f>f _(max) , V _i ted by a lo consumption onsumption onsumption l _{P(max)} l _{P(max)} , di/d , non-isola	gical "L" n <0.4 mA/kH; n <0.9 mA/kH; tt = 100 A/µs ted cooling fins	z @ 25°C z @ 25°C z @ 25°C	;		H=4V, L=0.5V 15 tbd. 20 <250 115x75x75 Please contact the manufactured!	VDC VDC VDC VDC ns
	Opt. HFS, Ext. S Intrinsic Diode For Diode Reverse For Dimensions Weight Control Signal Input	Supply Voltage V1 Supply Voltage V2 orward Voltage Recovery Time	VHFS(V2) VF trrc LxWxH	Fault con Stability: Stability: Tcase = 28 Tcase = 28 Standard Devices Devices Standard Devices With Schmitt-	ill be turn off, indition is indicated as $\pm 3\%$, current of $\pm 3\%$,	f f>f _(max) , V. ted by a lo consumptio consumptio l _{P(max)} l _{P(max)} , di/c , non-isola C , non-isola C	gical "L" n <0.4 mA/kHz n <0.9 mA/kHz tt = 100 A/µs ted cooling fins ted cooling fins	z @ 25°C z @ 25°C	;;	· jitter).	H=4V, L=0.5V 15 tbd. 20 <250 115x75x75 Please contact the manufactured! Please contact the	VDC VDC VDC VDC ns mm³
	Opt. HFS, Ext. S Intrinsic Diode For Diode Reverse F Dimensions	Supply Voltage V1 Supply Voltage V2 orward Voltage Recovery Time Pin 1/Yellow.* Pin 2/Black. Time	VHFS(V2) VF trrc LxWxH	Fault con Stability: Stability: Stability: Tcase = 25 Tcase = 25 Standard Devices N Standard Devices N Standard Devices N standard Devices N internally con	ill be turn off, indition is indicated as in	f f>f(max), V. ted by a lo consumptio consumptio lP(max) lP(max), di/C , non-isola C C cics. Control vc fety earthing te	gical "L" n <0.4 mA/kHz n <0.9 mA/kHz It = 100 A/µs ted cooling fins ted cooling fins oltage 2-10 V (3-5 Vseminal (threaded in	case>75°C z @ 25°C z @ 25°C s s	ied for low tom side.		H=4V, L=0.5V 15 tbd. 20 <250 115x75x75 Please contact the manufactured! Please contact the	VDC VDC VDC VDC ns mm³
	Opt. HFS, Ext. S Intrinsic Diode For Diode Reverse For Dimensions Weight Control Signal Input Logic GND / 5V Return Sy Auxiliary Supply Fault Signal Output	Supply Voltage V1 Supply Voltage V2 orward Voltage Recovery Time Pin 1 / Yellow. Pin 2 / Black. T Pin 3 / Red. Th Pin 4 / Orange.	VHFS(V2) VF trrc LxWxH TTL compatible he ground pin is e 5 V input is us TTL output, shr	Fault con Stability: Stability: Stability: Tcase = 28 Standard Devices of Control of Devices of Control of Devices of Control of Devices of Control of Control of Devices of Control of Con	ill be turn off, indition is indicated with option DL. Trigger characterist indicated with option DL. Trigger characterist indicated with the sase up to the specific off. Indicating switch of the specific off. Indicating switch off.	f f>f(max), V. ted by a lo consumptio consumptio lp(max) lp(max), di/c , non-isola C ics Control vc fety earthing t ad max. freque & driver over-	gical "L" n <0.4 mA/kHz n <0.9 mA/kHz It = 100 A/µs ted cooling fins ted cooling fins solitage 2-10 V (3-5 V arminal (threaded ir novy f _{max}). Higher re heat, over-frequence	case>75°C z @ 25°C z @ 25°C s s recommenc sert) on botte per rates requ cy, low auxiliary	ited for low tom side.	HFS. e. L = Fau	H=4V, L=0.5V 15 tbd. 20 <250 115x75x75 Please contact the manufactured! Please contact the manufactured!	VDC VDC VDC VDC ns mm³
	Opt. HFS, Ext. S Intrinsic Diode For Diode Reverse For Dimensions Weight Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output Inhibit Signal Input LED Indicators	Bupply Voltage V1 Bupply Voltage V2 orward Voltage Recovery Time Pin 1/Yellow. Pin 2/Black. T Pin 3/Red. Th Pin 4/Orange. Pin 5/Green. 1 GREEN: "Auxili	VHFS(V2) VF trrc LxWxH TTL compatible he ground pin is e 5 V input is us TTL output, shrTTL compatible, any power good	Fault con Stability: Stability: Tcase = 25 Tcase = 25 Standard Devices N Devices N Standard Devices N Devices N Standard Devices N	ill be turn off, indition is indicated as a current of the state of th	f f>f(max), V. ted by a lo consumptio consumptio lP(max) lP(max), di/c , non-isola C ics. Control vc fety earthing t ad max. freque & driver over- or the connect rol signal rece tor signal	gical "L" n <0.4 mA/kH; n <0.9 mA/kH; It = 100 A/µs ted cooling fine ted cooling fine title = 100 A/µs ted cooling fine ted coolin	case>75°C z @ 25°C z @ 25°C s @ 25°C s o 25°C s o 25°C s o 25°C s o 25°C	ded for low tom side. lire option h ary voltage = Switch Ir condition, s	HFS. e. L = Fau nhibited. switch Of	H=4V, L=0.5V 15 tbd. 20 <250 115x75x75 Please contact the manufactured! Please contact the manufactured!	VDC VDC VDC ns mm³
NOI	Opt. HFS, Ext. S Intrinsic Diode Fc Diode Reverse F Dimensions Weight Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output Inhibit Signal Input	Bupply Voltage V1 Bupply Voltage V2 orward Voltage Recovery Time Pin 1 / Yellow. Pin 2 / Black. Ti Pin 3 / Red. Th Pin 4 / Orange. Pin 5 / Green. Ti GREEN: "Auxili A) Standard swi	VHFS(V2) VF trrc LxWxH TTL compatible he ground pin is e 5 V input is us TTL output, shrTL compatible, any power good tohes and switch	Fault con Stability: Stability: Stability: Tcase = 28 Standard Devices of Company of the Standard Devices of Company of C	ill be turn off, indition is indicated with a simple state of the	f f>f(max), V. ted by a lo consumptio consumptio lp(max) lp(max), di/c , non-isola C ics. Control vc fety earthing t ad max. freque & driver over- or the connect rod signal rece gigger 75°C, rei	gical "L" n <0.4 mA/kHz n <0.9 mA/kHz it = 100 A/µs ted cooling fine	case>75°C z @ 25°C z @ 25°C s @ 25°C s o 25°C s o 25°C s o 25°C s o 25°C	ded for low tom side. lire option h ary voltage = Switch Ir condition, s	HFS. e. L = Fau nhibited. switch Of	H=4V, L=0.5V 15 tbd. 20 <250 115x75x75 Please contact the manufactured! Please contact the manufactured!	VDC VDC VDC ns mm³
	Opt. HFS, Ext. S Intrinsic Diode For Diode Reverse For Dimensions Weight Control Signal Input Logic GND / 5V Return 5V Auxiliary Supple Fault Signal Output Inhibit Signal Input LED Indicators Temperature Protection	Bupply Voltage V1 Bupply Voltage V2 orward Voltage Recovery Time Pin 1 / Yellow. Pin 2 / Black. Ti Pin 3 / Red. Th Pin 4 / Orange. Pin 5 / Green. Ti GREEN: "Auxili A) Standard swi	VHFS(V2) VF trrc LxWxH TTL compatible he ground pin is e 5 V input is us us TTL compatible, ary power good to thes and switch T=25K (40 to 65°	Fault con Stability: Stability: Tcase = 28 Tcase = 28 Standard Devices \ Devices \ Standard Standard Devices \ Standard Standard Devices \ Standard Standard Devices \ Standard Standard Standard Standard Devices \ Standard	ill be turn off, indition is indicated as a current of the state of th	f f>f(max), V. ted by a lo consumptio consumptio consumptio lp(max) lp(max) lp(max), di/d , non-isola C ics. Control vc fety earthing to d max. freque d d max. freque giager 75°C, rei driver protection	gical "L" n < 0.4 mA/kHz n < 0.9 mA/kHz It = 100 A/µs ted cooling finst ted cooling	case>75°C z @ 25°C z @ 25°C s @ 25°C s o 25°C s o 25°C s o 25°C s o 25°C	ded for low tom side. lire option h ary voltage = Switch Ir condition, s	HFS. e. L = Fau nhibited. switch Of (50 to 75°	H=4V, L=0.5V 15 tbd. 20 <250 115x75x75 Please contact the manufactured! Please contact the manufactured!	VDC VDC VDC ns mm³
	Opt. HFS, Ext. S Intrinsic Diode For Diode Reverse For Dimensions Weight Control Signal Input Logic GND / 5V Return 5V Auxiliary Supple Fault Signal Output Inhibit Signal Input LED Indicators Temperature Protection	Disprise Voltage V1 Disprise V2 Disprise V3 Disprise V4 Disprise V3 Disprise V4 Disprise V	VHFS(V2) VF trrc LxWxH TTL compatible he ground pin is e 5 V input is us TTL output, sh TTL compatible, ary power good tches and switch T=25K (40 to 65° DC Option I Option I	Fault con Stability: Stability: Tcase = 25 Tcase = 25 Tcase = 25 Standard Devices N Devices N Standard Devices N Devices N Standard Ordicatify Schmitt-Tigg Switch OFF* switch OFF* switch option CC), coolant flow, pp Loter Left HBB Hit	ill be turn off, indition is indicated as in	f f>f(max), V. ted by a lo consumptio consumptio lP(max) lP(max), di/C , non-isola C ics. Control vc fety earthing tr dd max, freque & driver over- or the connect rol signal rece giger 75°C, rei fiver protection for increased t (improved ca	gical "L" n <0.4 mA/kHz n <0.9 mA/kHz It = 100 A/µs ted cooling finst ted cooling fi	case>75°C Z @ 25°C Z @ 25°C S S A recommence a service of the	ied for low tom side. iire option large = Switch Ir condition, s , ΔT =25K (i	HFS. a. L = Fau nhibited. switch Of (50 to 75°) IL-94 FWD	H=4V, L=0.5V 15 tbd. 20 <250 115x75x75 Please contact the manufactured! Please contact the manufactured! Please dontact the manufactured! Please rontact the manufactured! Firm C). Separate driver protection. B) Switches with option DLC: 65°C, result.	VDC VDC VDC ns mm³ g
FUNCTION	Opt. HFS, Ext. S Intrinsic Diode For Diode Reverse For Dimensions Weight Control Signal Input Logic GND / 5V Return 5V Auxiliary Supple Fault Signal Output Inhibit Signal Input LED Indicators Temperature Protection	Disprise Voltage V1 Disprise V2 Disprise V3 Disprise V4 Disprise V3 Disprise V4 Disprise V	VHFS(V2) VF trrc LxWxH TTL compatible he ground pin is e 5 V input is us TTL output, sh TTL compatible, ary power good tches and switch T=25K (40 to 65° DC Option I Option I Option I	Fault con Stability: Stability: Stability: Tcase = 25 Standard Devices v Devices v Standard Devices v Standa	ill be turn off, indition is indicated as a simple control of the	f f>f(max), V. ted by a lo consumption on sumption on	gical "L" n <0.4 mA/kHz n <0.9 mA/kHz It = 100 A/µs ted cooling finst ted cooling fi	case>75°C Z @ 25°C Z @ 25°C S S A recommence a service of the	Jed for low tom side. Jed for low Jed for	HFS. e. L = Fau nhibited. switch Of (50 to 75°) IL-94 FWD FWDN	H=4V, L=0.5V 15 tbd. 20 <250 115x75x75 Please contact the manufactured! Please contact the manufactured! Please contact the manufactured! Flease contact the manufactured! Please contact the manufactured! Flease contact the manufactured! Itt. FF" C). Separate driver protection. B) Switches with option DLC: 65°C, resulting the protection of the prot	VDC VDC VDC NS mm³ g
FUNCTION	Opt. HFS, Ext. S Intrinsic Diode For Diode Reverse For Dimensions Weight Control Signal Input Logic GND / 5V Return 5V Auxiliary Supple Fault Signal Output Inhibit Signal Input LED Indicators Temperature Protection	Disprise Voltage V1 Disprise V2 Disprise V3 Disprise V4 Disprise V3 Disprise V4 Disprise V	VHFS(V2) VF trrc LxWxH TTL compatible he ground pin is e 5 V input is us TTL output, sh TTL compatible, ary power good tches and switch T=25K (40 to 65° DC Option I Option I	Fault con Stability: Stability: Stability: Tcase = 25 Standard Devices N Devices N Standard Devices N Levices N Le	ill be turn off, indition is indicated as in	f f>f(max), V. ted by a lo consumptio consumptio consumptio lP(max) lP(max), di/c , non-isola C ics. Control vc fety earthing t dd max. freque & driver over- or the connect rol signal rece cligger 75°C, re driver protection for increased t (improved ca thing (two aux. lency Burst	gical "L" n <0.4 mA/kHz n <0.9 mA/kHz tel = 100 A/µs ted cooling fine ted cooli	case>75°C Z @ 25°C Z @ 25°C S S A recommence a service of the	ied for low tom side. iire option large = Switch Ir condition, s , $\Delta T = 25K$ (ii) Option UI Option III	HFS. e. L = Fau nhibited. switch Of (50 to 75°) IL-94 FWD FWDN T-C	H=4V, L=0.5V 15 tbd. 20 <250 115x75x75 Please contact the manufactured! Please contact the manufactured! Please dontact the manufactured! Please rontact the manufactured! Firm C). Separate driver protection. B) Switches with option DLC: 65°C, result.	VDC VDC VDC VDC ns mm³ g
FUNCTION	Opt. HFS, Ext. S Intrinsic Diode For Diode Reverse For Dimensions Weight Control Signal Input Logic GND / 5V Return 5V Auxiliary Supple Fault Signal Output Inhibit Signal Input LED Indicators Temperature Protection	Disprise Voltage V1 Disprise V2 Disprise V3 Disprise V4 Disprise V3 Disprise V4 Disprise V	VHFS(V2) VF trrc LxWxH TTL compatible he ground pin is e 5 V input is us TTL output, shrTL compatible, any power good tohes and switch T=25K (40 to 65° DC Option I Option I Option I Option I	Fault con Stability: Stability: Tcase = 28 Tcase = 28 Standard Devices \(\) With Schmitt- is internally core sed for rep rate of circuit proce Schmitt-Triggs 1, switch OFF* see with option (C), coolant flow LP LO HFB Hit HFS HIT Sc Min-On Ind	ill be turn off, indition is indicated as in	ff Ff(max), V. ted by a loo consumption on sumption lp(max) lp(max). Ip(max), di/o lp(max), di/o lp(gical "L" n <0.4 mA/kHz n <0.9 mA/kHz tt = 100 A/µs tted cooling finst ted cooling f	case>75°C z @ 25°C z @ 25°C z @ 25°C s s s recommenc ssert) on bott per rates requey, low auxiliat ty circuits. L RED: "Fault @ 3xPd(max)	led for low tom side. inire option h ary voltage = Switch Ir condition, s , ΔT =25K (i Option UI Option I-F Option PT	HFS. e. L = Fau nhibited. switch Of (50 to 75°) IL-94 FWD FWDN T-C	H=4V, L=0.5V 15 tbd. 20 <250 115x75x75 Please contact the manufactured! Please contact the manufactured! Please contact the manufactured! Fir C). Separate driver protection. B) Switches with option DLC: 65°C, result.	VDC VDC VDC VDC ns mm³ g
FUNCTION	Opt. HFS, Ext. S Intrinsic Diode For Diode Reverse For Dimensions Weight Control Signal Input Logic GND / 5V Return 5V Auxiliary Supple Fault Signal Output Inhibit Signal Input LED Indicators Temperature Protection	Disprise Voltage V1 Disprise V2 Disprise V3 Disprise V4 Disprise V3 Disprise V4 Disprise V	VHFS(V2) VF trrc LxWxH ITL compatible he ground pin is e 5 V input is us us TTL output, shrTL compatible, any power good tohes and switch T=25K (40 to 65° DC Option I Option I Option I Option I Option I	Fault con Stability: Stability: Tcase = 28 Tcase = 28 Standard Devices \(\) Devices \(\) Standard Devices \(\) With Schmitt-is internally covered for rep ration circuit proces Schmitt-Triggs (1, switch OFF' each with OFF' each with option (C), coolant flow LP	ill be turn off, indition is indicated as in	f f>f(max), V. ted by a lo consumption on sumption lp(max) lp(max), di/o	gical "L" n <0.4 mA/kHz n <0.9 mA/kHz tel = 100 A/µs ted cooling finst ted cooling f	case>75°C z @ 25°C z @ 25°C z @ 25°C s S s s recommenc ssert) on botto- spert atos requirely, low auxiliar ty circuits. L RED: "Fault @ 3xPd(max) V1 & V2)	led for low tom side. It is a condition, s., $\Delta T = 25K$ (i. Option UI Option IF Option FO Option St	HFS. e. L = Fau nhibited. switch Of (50 to 75°) IL-94 FWD FWDN T-C EP-C	H=4V, L=0.5V 15 tbd. 20 <250 115x75x75 Please contact the manufactured! Please contact the manufactured! Please contact the manufactured! Please contact with emanufactured! Fir C). Separate driver protection. B) Switches with option DLC: 65°C, result. Flame retardant casting resin, UL94-V0 Integrated Free-Wheeling Diode. In connection with inductive load or Integrated Free-Wheeling Diode Network. In connection with inductive Pigtial for control connection: Flexible leads (I=75mm) with lemo connection: Flexible leads (I=75mm) with lemo connection control unit. Control unit with LED indicators in a separate	VDC VDC VDC VDC ns mm³ g
	Opt. HFS, Ext. S Intrinsic Diode For Diode Reverse For Dimensions Weight Control Signal Input Logic GND / 5V Return 5V Auxiliary Supple Fault Signal Output Inhibit Signal Input LED Indicators Temperature Protection	Disprise Voltage V1 Disprise V2 Disprise V3 Disprise V4 Disprise V3 Disprise V4 Disprise V	VHFS(V2) VF trrc LxWxH ITL compatible he ground pin is e 5 V input is us us TTL output, shrTL compatible, ary power good thes and switch T=25K (40 to 65° DC Option I	Fault con Stability: Stability: Stability: Tcase = 28 Standard Devices N Devices N Standard Devices N Devi	ill be turn off, indition is indicated as in	f f>f(max), V. ted by a lo consumption on sumption on	gical "L" n <0.4 mA/kHz n <0.9 mA/kHz tel = 100 A/µs ted cooling finst ted cooling f	case>75°C z @ 25°C z @ 25°C z @ 25°C s S s s recommenc ssert) on botto- spert atos requirely, low auxiliar ty circuits. L RED: "Fault @ 3xPd(max) V1 & V2)	led for low tom side. iiire option I ary voltage = Switch Ir condition, s, \(\Delta T = 25K \) (f \(\Delta T = 0 \) Option I P \(\Delta T = 0 \) Option T \(\Delta T = 0 \) Option G \(\Delta T = 0 \) Option G	HFS. b. L = Fau nhibited. switch Of (50 to 75°) IL-94 FWD FWDN T-C EP-C H	H=4V, L=0.5V 15 tbd. 20 <250 115x75x75 Please contact the manufactured! Please contact the manufactured! Please contact the manufactured! Please contact the manufactured! Please contact with option DLC: 65°C, results. It. FF" C). Separate driver protection. B) Switches with option DLC: 65°C, results. Flame retardant casting resin, UL94-V0 Integrated Free-Wheeling Diode. In connection with inductive load on Integrated Free-Wheeling Diode. In connection with inductive Pigtali for control connection: Flexible leads (I=75mm) with lenno connection. Flexible leads (I=75mm) with lenn	VDC VDC VDC VDC ns mm³ g sponse time < 3 s lly. lload. lector. housing. to 10. 15.
FUNCTION	Opt. HFS, Ext. S Intrinsic Diode For Diode Reverse For Dimensions Weight Control Signal Input Logic GND / 5V Return 5V Auxiliary Supple Fault Signal Output Inhibit Signal Input LED Indicators Temperature Protection	Disprise Voltage V1 Disprise V2 Disprise V3 Disprise V4 Disprise V3 Disprise V4 Disprise V	VHFS(V2) VF trrc LxWxH ITL compatible he ground pin is e 5 V input is us TTL output, sh TTL compatible, ary power good Coption I Option I	Fault con Stability: Stability: Stability: Tcase = 28 Standard Devices N Devices N Standard Devices N Devices N Standard Devices N Devic	ill be turn off, indition is indicated in indicated indicated in indic	ff > f(max), V. ted by a loonsumption on sumption on s	gical "L" n <0.4 mA/kH; n <0.9 mA/kH; ted cooling finst ted coolin	case>75°C z @ 25°C z @ 25°C s @ 25°C s S s / recommenc ssert) on botte per rates reque yy, low auxilia yt circuits. L RED: "Fault @ 3xPd(max) V1 & V2) ed ed ed ed eerific	led for low tom side. It is reption I any voltage = Switch Ir condition, s., \(\Delta T = 25K \) (! Option IF Option IF Option TOption CI Option Glore Gotton II.	HFS. a. L = Fau hitted. switch Of 50 to 75° IL-94 FWD FWDN T-C EP-C H EF GCF	H=4V, L=0.5V 15 tbd. 20 <250 115x75x75 Please contact the manufactured! Please contact the manufactured! Please contact the manufactured! Please contact the manufactured! Please contact with option DLC: 65°C, results. It. FF" C). Separate driver protection. B) Switches with option DLC: 65°C, results. Flame retardant casting resin, UL94-V0 Integrated Free-Wheeling Diode. In connection with inductive load on Integrated Free-Wheeling Diode. In connection with inductive Piglail for control connection: Flexible leads (I=75mm) with lenno connection with control unit. Control unit with LED indicators in a separate Tubular Housing Copper Cooling Fins. Pd(max) can be increased by the factor 3 to Indirect Liquid Cooling Flange. Pd(max) can be increased by the factor 3 to Indirect Liquid Cooling (for water). Pd(max) can be increased by the factor 3 to Indirect Liquid Cooling (for water). Pd(max) can be increased by the factor 3 to Indirect Liquid Cooling (for water). Pd(max) can be increased by the factor 3 to Indirect Liquid Cooling (for water). Pd(max) can be increased by the factor 3 to Indirect Liquid Cooling (for water). Pd(max) can be increased by the factor 3 to Indirect Liquid Cooling (for water). Pd(max) can be increased by the factor 3 to Indirect Liquid Cooling (for water). Pd(max) can be increased by the factor 3 to Indirect Liquid Cooling (for water).	VDC VDC VDC VDC ns mm³ g sponse time < 3 s liv. load. load. lector. housing. to 10. 15. tor 3 to 15.
ORDERING FUNCTION	Opt. HFS, Ext. S Intrinsic Diode For Diode Reverse For Dimensions Weight Control Signal Input Logic GND / 5V Return Sy Auxiliary Supply Fault Signal Output Inhibit Signal Input LED Indicators Temperature Protection HTS 61-60 SiC Ti	Disprise Voltage V1 Disprise V2 Disprise V3 Disprise V4 Disprise V3 Disprise V4 Disprise V	VHFS(V2) VF trrc LxWxH TTL compatible he ground pin is e 5 V input is us us TTL output, shrTL compatible, ary power good thes and switch T=25K (40 to 65° DC Option I	Fault con Stability: Stability: Tcase = 28 Tcase = 28 Standard Devices v Devices v Standard Devices v Standard Devices v Standard Devices v Devices v Standard Devices v	ill be turn off, indition is indicated as in	f f>f(max), V. ted by a lo consumption on sumption on	gical "L" n < 0.4 mA/kH; n < 0.9 mA/kH; ted cooling finst ted c	case>75°C z @ 25°C z @ 25°C z @ 25°C s S S S S V recommenc ssert) on botto- per rates requively, low auxiliatively circuits. L RED: "Fault @ 3xPd(max) V1 & V2) ed ed ed ecific	led for low tom side. iire option I-C Option II-C II-C II-C II-C II-C II-C II-C II-	HFS. De L = Fau Dibited. Switch OF Switc	H=4V, L=0.5V 15 tbd. 20 <250 115x75x75 Please contact the manufactured! Please contact the manufactured! Please contact the manufactured! Please contact the manufactured! Please contact the manufactured! Flame retardant casting resin, UL94-V0 Integrated Free-Wheeling Diode. In connection with inductive load on Integrated Free-Wheeling Diode. In connection with inductive Pigtal for control connection: Flexible leads (E-75mm) with lemo connection: Flexible leads (E-75mm) with	VDC VDC VDC NS mm³ g sponse time < 3 s sponse time < 1 s to 10. 15. to 10.