	Specification	cation Symbol Condition / Comment			61-30 SiC	121-30 SiC	151-30 SiC	Unit
	Maximum Operating Voltage	$V_{O(max)}$	l <sub>off</sub> < 50 μADC, T <sub>case</sub> =	= 70°C	6	12	15	kVDC
	Maximum Isolation Voltage	VI		nd control / GND, continuously		± 25		kVDC
GS	Max. Housing Insulation Voltage	V <sub>INS</sub>	Between switch and h	nousing surface, 3 minutes		± 50		kVDC
2	Maximum Turn-On Peak Current	I <sub>P(max)</sub>				300		
KATIN		·i (iliax)		I ms, duty cycle <1%		190		
Ž				10 ms, duty cycle <1%		58		
				100 ms, duty cycle <1%		30		ADC
MAXIMOM	Mariana Ocafiana a Land Ocara	ļ		<u> </u>				ADO
	Maximum Continuous Load Current I <sub>L(</sub>		T = 25°C	ndard devices		2.52		ADC
•			Devi	ices with option DLC		60		ADC
2	$Max. \ Continuous \ Power \ Dissipation \qquad P_{d(max)}$		= 75°('	ndard devices & FC, forced air 4 m/s	4.5	8.5	10.5	
4			Devi	ices with option DLC	600	1450	1600	Watt
5	Linear Derating		Δηρικά λησι.	ndard devices & FC, forced air 4 m/s	0.02	0,03	0.033	
BSOLUTE			Devi	ices with option DLC	10	20	21	W/K
B	Operating Temperature Range	To	Standard devices & options CF, GCF, ILC. (Option DLC)			-4070 (60)		°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	Vaux	Built-in overvoltage limiter (replaceable)			5.5		VDC
	Permissible Operating Voltage Range	Vo		Ball III overveitage III liter (replaceasie)		0 ± 12	0 ± 15	kVDC
	Typical Breakdown Voltage	V <sub>br</sub>	NOTE: V <sub>br</sub> is a test parameter for quality control		0 ± 6			-
	Typical Broakdown Volkago	V DI	purposes only. Not applicable in normal operation! I <sub>off</sub> > 0.5 mA		6.6	9.3	11.6	kVDC
	Typical Off-State Current	I <sub>off</sub>	0.8xV <sub>0</sub> , T <sub>case</sub> =2570°C, reduced I <sub>off</sub> on request			< 80		μADC
	Typical Turn-On Resistance	R <sub>stat</sub>	Each switching path	0.1 x I <sub>P(max)</sub> , T <sub>case</sub> =25°C	0.12	0.24	0.28	
			t <sub>p</sub> < 1µs, duty cycle <	1% 1.0 x I <sub>P(max)</sub> , T <sub>case</sub> =25°C	0.25	0.5	0.6	
			1.0 x I <sub>P(max)</sub> , T <sub>case</sub> =70°C		0.5	0.9	1.3	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 t <sub>i</sub>		Impedance matched input, V <sub>aux</sub> / V <sub>ctrl</sub> = 5.00 VDC			3		ns
	Typical Turn-On Rise Time tr <sub>(on)</sub>		Resistive load, 10-90% $V_{\text{ctrl}} = 5.00 \text{ VDC}$		tbd.	19	tbd.	113
	Typical rum-on Rise fille	tr(on)	Resistive load, 10-30	0.8 x $V_{O(max)}$ , $I_L = 0.1$ x $I_{p(max)}$		34	tbd.	
						41	tbd.	no
	Total Total Off Disc Time		Designation to a 40,000	$0.8 \times V_{O(max)}$ , $I_L = 1.0 \times I_{p(max)}$			ιbu.	ns
Ś	Typical Turn-Off Rise Time	$t_{\text{off}}, t_{\text{q}}$	Resistive load, 10-909			50		
5			$0.8 \times V_{O(max)}$ , $I_L = 1.0 \times I_{p(max)}$			100		ns
CTERISTICS	laximum Turn-On Time ton(max) No limitation				∞		ns	
K	Minimum Turn-On Time	ton(min)	t <sub>on(min)</sub> can be customized. Please consult factory			250		ns
-	Maximum Turn-Off Time	t <sub>off(max)</sub>	No limitation			∞		ns
Ž	Minimum Turn-Off Time	t <sub>off(min)</sub>	toff(min) can be customized. Please consult factory			250		ns
4	1 1 1					10	tbd.	
5	Frequency	I(IIIax)		andard devices with HFS supply	tbd. tbd.	tbd.	tbd.	
7				ot. HFS + sufficient cooling option	tbd.	tbd.	tbd.	kHz
3	Maximum Burst Frequency	f <sub>b(max)</sub>	1 . /		wa.	500	wa.	kHz
Ž				10 pulses within 20µs or less				KI IZ
ECTRICAL	Maximum Number of Pulses / Burst N <sub>(max)</sub>		@ f <sub>b(max)</sub>	Standard		>10		
7			Note: Option HFB requires external buffer capacitors with a voltage rating of > 630VDC and a cpacitance of 100nF per additional Option HFB			>100		D. I.
Щ						>1000		Pulse
	Coupling Capacitance Cc		HV side against control side			<100		pF
	Natural Capacitance C <sub>N</sub>		Between switch poles, @ 0.5 x V <sub>O(max)</sub>			<50		pF
	Control Voltage Range	V <sub>ctrl</sub>	The V <sub>ctrl</sub> has no impact on the output pulse shape.			3 10		VDC
	Auxiliary Supply Voltage Range	$V_{\text{aux}}$	The +5 V supply is no	ot 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		130	150	160	
			Active current limitation	above 1A. @ f <sub>(max)</sub>	800	800	800	mAD(
	Fault Signal Output		Switch will be turn off,	Switch will be turn off, if f>f <sub>(max)</sub> , V <sub>aux</sub> <4.75V or T <sub>case</sub> >75°C		>4.0		
			Fault condition is indicated by a logical "L"			<0.8		VDC
	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			t consumption <0.5 mA/kHz @ 25°C	58	86	100	VDC
	Intrinsic Diode Forward Voltage				16	24	28	VDC
	ū		T <sub>case</sub> = 25°C, I <sub>F</sub> = 0.3 x I <sub>P(max)</sub>		10		20	-
	Diode Reverse Recovery Time	, , , , , , , , , , , , , , , , , , ,		x I <sub>P(max)</sub> , αI/αt = 100 A/μs	400 70 05	<50ns	475 75 50	ns
	Dimensions LxWxH		Standard housing	0	103x70x35	103x70x35	175x75x56	
(5			Devices with option D	DLC	tbd.	tbd.	tbd.	mm <sup>3</sup>
ING			Ctandard bausing			tbd.		
USING	Weight	1				w.		_
DNISOO	Weight	1	Standard housing	N C				g
HOUSING	Weight		Devices with option D	DLC				
HOUSING	•	/ellow (LS-	Devices with option D		chmitt-Trigger characteri	istics Control voltage 2	2-10 V (3-5 V for low i	itter)
	Control Signal Input Pin 1 / Y		Devices with option D C: Pin 1). TTL compati	ible (LS-C: With 100Ω termination). S		-		itter).
	Control Signal Input Pin 1 / Y Logic GND / 5V Return Pin 2 / I	Black (LS-	Devices with option D C: Pin 1). TTL compati C: Shielding). The grou	ible (LS-C: With $100\Omega$ termination). S and pin is internally connected with the	e safety earthings termin	als (threaded inserts)	on bottom side.	itter).
	Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Pin 3 / F	Black (LS- Red (LS-C:	Devices with option D C: Pin 1). TTL compati C: Shielding). The grou Pin 4). The 5 V input is	ible (LS-C: With 100Ω termination). S and pin is internally connected with the s used for rep rates up to the specifie	e safety earthings termin d max. frequency f <sub>(max).</sub> H	als (threaded inserts) of the last required the last representation in the last required the last requ	on bottom side. option HFS.	itter).
	Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output Pin 1 / V Pin 2 / I Pin 3 / F Pin 4 / C	Black (LS- Red (LS-C: Orange (LS	Devices with option D C: Pin 1). TTL compati C: Shielding). The grou Pin 4). The 5 V input is -C: Pin 3). TTL output,	ible (LS-C: With 100Ω termination). S and pin is internally connected with the s used for rep rates up to the specifie s, short circuit proof. Indicating switch of	e safety earthings termin d max. frequency f <sub>(max).</sub> H & driver over-heat, over-f	als (threaded inserts) Higher rep rates require frequency, low auxilian	on bottom side. e option HFS. y voltage. L = Fault.	itter).
	Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output Pin 1 / V Pin 2 / I Pin 3 / F Pin 4 / C	Black (LS- Red (LS-C: Orange (LS	Devices with option D C: Pin 1). TTL compati C: Shielding). The grou Pin 4). The 5 V input is -C: Pin 3). TTL output,	ible (LS-C: With 100Ω termination). S and pin is internally connected with the s used for rep rates up to the specifie	e safety earthings termin d max. frequency f <sub>(max).</sub> H & driver over-heat, over-f	als (threaded inserts) Higher rep rates require frequency, low auxilian	on bottom side. e option HFS. y voltage. L = Fault.	itter).
	Control Signal Input Logic GND / 5V Retum 5V Auxiliary Supply Fault Signal Output Inhibit Signal Input Pin 1 / Y Pin 2 / Inhibit Signal Input Pin 5 / C	Black (LS-C Red (LS-C: Orange (LS Green (LS-	Devices with option D C: Pin 1). TTL compati C: Shielding). The grou Pin 4). The 5 V input is -C: Pin 3). TTL output, C: Pin 2). TTL compatil	ible (LS-C: With 100Ω termination). S und pin is internally connected with the s used for rep rates up to the specifie s short circuit proof. Indicating switch ble, Schmitt-Trigger characteristics for	e safety earthings termin d max. frequency f <sub>(max)</sub> . F & driver over-heat, over-f or the connection of exter	als (threaded inserts) of Higher rep rates require frequency, low auxiliary rnal safety circuits. L =	on bottom side. e option HFS. v voltage. L = Fault. Switch Inhibited.	itter).
	Control Signal Input Logic GND / 5V Retum 5V Auxiliary Supply Fault Signal Output Inhibit Signal Input LED Indicators  Pin 1 / Y Pin 2 / Infinity Pin 3 / F Pin 4 / O Pin 5 / O GREEN	Black (LS-C Red (LS-C: Orange (LS Green (LS- "Auxiliary	Devices with option D C: Pin 1). TTL compati C: Shielding). The grou Pin 4). The 5 V input is -C: Pin 3). TTL output, C: Pin 2). TTL compatil power good, switch Of	ible (LS-C: With 100Ω termination). S und pin is internally connected with the s used for rep rates up to the specifie short circuit proof. Indicating switch a ble, Schmitt-Trigger characteristics for FF". YELLOW: "Control signal recei	e safety earthings termin d max. frequency f <sub>(max)</sub> . It & driver over-heat, over-for the connection of exter ved, switch ON". RED:	nals (threaded inserts) of the ligher rep rates require frequency, low auxiliary rnal safety circuits. L = "Fault condition, switch	on bottom side. e option HFS. v voltage. L = Fault. Switch Inhibited.	itter).
	Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output Inhibit Signal Input LED Indicators Temperature Protection  Pin 1 / Y Pin 2 / I Pin 3 / F Pin 4 / O Pin 5 / O GREEN Switches	Black (LS-C: Red (LS-C: Orange (LS- Green (LS- "Auxiliary" with optior	Devices with option D C: Pin 1). TTL compati C: Shielding). The grou Pin 4). The 5 V input is i-C: Pin 3). TTL output, C: Pin 2). TTL compatii power good, switch Of DLC: 65°C, response ti	ible (LS-C: With $100\Omega$ termination). So and pin is internally connected with the sused for rep rates up to the specifie, short circuit proof. Indicating switch a ble, Schmitt-Trigger characteristics for FF". YELLOW: "Control signal receipine < 3 s @ 3xPd(max), $\Delta$ T=25K (40 to	e safety earthings termin d max. frequency f <sub>(max)</sub> . F & driver over-heat, over-f or the connection of exter ved, switch ON". RED: 65°C), coolant flow > 31 / 10	als (threaded inserts) of ligher rep rates require frequency, low auxilian real safety circuits. L = "Fault condition, switch min. Separate driver pro-	on bottom side. e option HFS. y voltage. L = Fault. Switch Inhibited. n OFF" tection.	
FUNCTIONS HOUSING	Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output Inhibit Signal Input LED Indicators Temperature Protection  Pin 1 / Y Pin 2 / I Pin 3 / F Pin 4 / C Pin 5 / C GREEN Switches HTS 61-30 Sic Fast HV SiC Mosfet Swit	Black (LS-C: Red (LS-C: Orange (LS- Green (LS- : "Auxiliary with optior ch, 6kV, 300 A	Devices with option D C: Pin 1). TTL compati C: Shielding). The grou Pin 4). The 5 V input is i-C: Pin 3). TTL output, C: Pin 2). TTL compatit power good, switch Of DLC: 65°C, response ti Option LP Low Pa	ible (LS-C: With $100\Omega$ termination). So and pin is internally connected with the sused for rep rates up to the specifie short circuit proof. Indicating switch a ble, Schmitt-Trigger characteristics for FF". YELLOW: "Control signal receipine < 3 s @ $3xPd(max)$ , $\Delta T=25K$ (40 to lass. Input filter for increased noise immunity.	e safety earthings termin d max. frequency f <sub>(max)</sub> . F & driver over-heat, over-f or the connection of exter ved, switch ON". RED: 165°C), coolant flow > 31 /1 Option I-PC	als (threaded inserts) of the service of the servic	on bottom side. e option HFS. / voltage. L = Fault. Switch Inhibited. n OFF" tection. ts according to customer spe	
FUNCTIONS	Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output Inhibit Signal Input LED Indicators Temperature Protection  Pin 1 / Y Pin 2 / I Pin 3 / F Pin 4 / O Pin 5 / O GREEN Switches	Black (LS-C: Red (LS-C: Orange (LS- Green (LS- : "Auxiliary with option ch, 6kV, 300 A ch, 12kV, 300	Devices with option D C: Pin 1). TTL compati C: Shielding). The grou Pin 4). The 5 V input is c: Pin 3). TTL output, C: Pin 2). TTL compatit power good, switch Of DLC: 65°C, response ti Option LP Low Pa A Option HFB High Fr	ible (LS-C: With $100\Omega$ termination). So and pin is internally connected with the sused for rep rates up to the specifie, short circuit proof. Indicating switch a ble, Schmitt-Trigger characteristics for FF". YELLOW: "Control signal receipine < 3 s @ 3xPd(max), $\Delta$ T=25K (40 to	e safety earthings termin d max. frequency f <sub>(max)</sub> . F & driver over-heat, over-f or the connection of exter ved, switch ON". RED: 165°C), coolant flow > 31 / 1  Option I-PC apacitors) Option UL-94	lals (threaded inserts) of the latest temperature and the latest temperatur	on bottom side. e option HFS. / voltage. L = Fault. Switch Inhibited. n OFF" tection. ts according to customer spe	ecification.
FUNCTIONS	Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output Inhibit Signal Input LED Indicators Temperature Protection HTS 61-30 SiC HTS 121-30 SiC Fast HV SiC Mosfet Swit	Black (LS-C: Red (LS-C: Orange (LS- Green (LS- : "Auxiliary with option ch, 6kV, 300 A ch, 12kV, 300	Devices with option D C: Pin 1). TTL compati C: Shielding). The grou Pin 4). The 5 V input is c: Pin 3). TTL output, C: Pin 2). TTL compatil power good, switch Of DLC: 65°C, response ti Option LP Low Pa A Option HFB High Fr A Option HFS High Fr	ible (LS-C: With $100\Omega$ termination). So and pin is internally connected with the sused for rep rates up to the specifie short circuit proof. Indicating switch able, Schmitt-Trigger characteristics for FF". YELLOW: "Control signal receipine < 3 s @ 3xPd(max), $\Delta$ T=25K (40 to ass. Input filter for increased noise immunity. requency Burst (improved capability by external controls as a support of the second capability by external controls.	e safety earthings termin d max. frequency f <sub>(max)</sub> . F & driver over-heat, over-f or the connection of exter ved, switch ON". RED: 165°C), coolant flow > 31 / 1  Option I-PC apacitors) Option UL-94	als (threaded inserts) of digher rep rates require frequency, low auxiliant raal safety circuits. L = "Fault condition, switch min. Separate driver prolated part component Flame retardant casting refered by the lintegrated Free-Wheeling Dight results.	on bottom side. e option HFS. y voltage. L = Fault. Switch Inhibited. n OFF" tection. ts according to customer spensin, UL94-V0	ecification.
FUNCTIONS	Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output Inhibit Signal Input LED Indicators Temperature Protection HTS 61-30 SiC HTS 121-30 SiC Fast HV SiC Mosfet Swit	Black (LS-C: Red (LS-C: Orange (LS- Green (LS- : "Auxiliary with option ch, 6kV, 300 A ch, 12kV, 300	Devices with option D C: Pin 1). TTL compati C: Shielding). The grou Pin 4). The 5 V input is c: Pin 3). TTL output, C: Pin 2). TTL compatil power good, switch Of n DLC: 65°C, response ti Option LP Low Pa A Option HFB High Fr Option HHFS Integral Option S-TT Soft Tra	ible (LS-C: With $100\Omega$ termination). So and pin is internally connected with the sused for rep rates up to the specifie short circuit proof. Indicating switch able, Schmitt-Trigger characteristics for FF". <b>YELLOW</b> : "Control signal receifine < 3 s @ 3xPd(max), $\Delta$ T=25K (40 to ass. Input filter for increased noise immunity. requency Burst (improved capability by external crequency Switching (two auxiliary supply inputs V ted High Frequency Burst ansition Time decrease the rise and fall time by 20%	e safety earthings termin d max. frequency f <sub>(max).</sub> It & driver over-heat, over-for the connection of exter ved, switch ON". RED: 65°C), coolant flow > 31 / 100 Option I-PC  apacitors) Option UL-94 1 & V2 ) Option I-FWDN Option PT-C	als (threaded inserts) of digher rep rates require frequency, low auxiliant raal safety circuits. L = "Fault condition, switcl min. Separate driver produced in the produced from the produced f	on bottom side. e option HFS. y voltage. L = Fault. Switch Inhibited. n OFF" tection. ts according to customer spe sisin, UL94-V0 ode. In connection with inductiv	ecification. e load only. inductive load
FUNCTIONS	Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output Inhibit Signal Input LED Indicators Temperature Protection HTS 61-30 SiC HTS 121-30 SiC Fast HV SiC Mosfet Swit	Black (LS-C: Red (LS-C: Orange (LS- Green (LS- : "Auxiliary with option ch, 6kV, 300 A ch, 12kV, 300	Devices with option D C: Pin 1). TTL compati C: Shielding). The grou Pin 4). The 5 V input is i-C: Pin 3). TTL output, C: Pin 2). TTL compatil power good, switch Of in DLC: 65°C, response ti Option LP Low Pa A Option HFB High Fr Option HFFS Integrat Option S-TT Soft Tra Option Min-On Individu	ible (LS-C: With $100\Omega$ termination). So and pin is internally connected with the sused for rep rates up to the specifie short circuit proof. Indicating switch able, Schmitt-Trigger characteristics for FF". YELLOW: "Control signal receipine < 3 s @ 3xPd(max), $\Delta$ T=25K (40 to ass. Input filter for increased noise immunity. requency Burst (improved capability by external correquency Switching (two auxiliary supply inputs Valted High Frequency Burst ansition Time decrease the rise and fall time by 20% ually increased "Min. On-Time" to avoid unwanted	e safety earthings termin d max. frequency f <sub>(max)</sub> . F & driver over-heat, over-f or the connection of exter ved, switch ON". RED: 165°C), coolant flow > 31 /1 Option I-PC apacitors) Option I-FWD Option I-FWDN Option PT-C I triggering Option SEP-C	als (threaded inserts) of ligher rep rates require frequency, low auxiliant raal safety circuits. L = "Fault condition, switcl min. Separate driver prolintegrated part component Flame retardant casting reintegrated Free-Wheeling Din Integrated Free-Wheeling Din Pigtail for control connection Separated control unit. Control control connection	on bottom side. e option HFS. y voltage. L = Fault. Switch Inhibited. n OFF" tection. ts according to customer spe issin, UL94-V0 ode. In connection with inductiv de Network. In connection with	ecification.  e load only. inductive loaemo
	Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output Inhibit Signal Input LED Indicators Temperature Protection HTS 61-30 SiC HTS 121-30 SiC Fast HV SiC Mosfet Swit	Black (LS-C: Red (LS-C: Orange (LS- Green (LS- : "Auxiliary with option ch, 6kV, 300 A ch, 12kV, 300	Devices with option D C: Pin 1). TTL compati C: Shielding). The grou Pin 4). The 5 V input is c: Pin 3). TTL output, C: Pin 2). TTL compatil power good, switch Of DLC: 65°C, response ti Option LP Low Pa A Option HFB High Fr A Option HFS High Fr Option Min-On Individu. Option Min-On Individu. Option Min-On Individu. Option Min-On Individu.	ible (LS-C: With $100\Omega$ termination). So and pin is internally connected with the sused for rep rates up to the specifie, short circuit proof. Indicating switch is ble, Schmitt-Trigger characteristics for FF". YELLOW: "Control signal receipine < 3 s @ 3xPd(max), $\Delta$ T=25K (40 to ass. Input filter for increased noise immunity. requency Burst (improved capability by external crequency Switching (two auxiliary supply inputs Valted High Frequency Burst ansition Time decrease the rise and fall time by 20% ually increased "Min. On-Time" to avoid unwanted ually increased "Min. On-Time" to avoid unwanted ually increased "Min. Off-Time" to avoid unwanted ually increased "Min. Off-Time" to avoid unwanted ually increased "Min. Off-Time" to avoid unwanted	e safety earthings termin d max. frequency f <sub>(max)</sub> . F & driver over-heat, over-f ved, switch ON". RED: 65°C), coolant flow > 31 / 1 Option I-PC Option I-SU Option I-FWDN Option I-FWDN Option FT-C I triggering Option TH	als (threaded inserts) of ligher rep rates require frequency, low auxiliary ral safety circuits. L = "Fault condition, switch min. Separate driver pro- Integrated part component Flame retardant casting recomposed integrated Free-Wheeling Dio- Pigtai for control connection Separated control unit. Continuous Tubular Housing	on bottom side. e option HFS. y voltage. L = Fault. Switch Inhibited. n OFF" tection. ts according to customer spe sisin, UL94-V0 de Network. In connection with inductiv de Network. In connection with inductiv if lexible leads (I=75mm) with le of unit with LED indicators in a s	e load only. inductive load emo separate
FUNCTIONS	Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output Inhibit Signal Input LED Indicators Temperature Protection HTS 61-30 SiC HTS 121-30 SiC Fast HV SiC Mosfet Swit	Black (LS-C: Red (LS-C: Orange (LS- Green (LS- : "Auxiliary with option ch, 6kV, 300 A ch, 12kV, 300	Devices with option D C: Pin 1). TTL compati C: Shielding). The grou Pin 4). The 5 V input is c: Pin 3). TTL output, C: Pin 3). TTL compatit power good, switch OF DLC: 65°C, response ti Option LP Low Pa A Option HFB High Fr A Option HFS Integral Option Min-Off Individ. Option Min-Off Individ. Option Min-Off Pulser	ible (LS-C: With $100\Omega$ termination). So and pin is internally connected with the sused for rep rates up to the specifie short circuit proof. Indicating switch able, Schmitt-Trigger characteristics for FF". YELLOW: "Control signal receipine < 3 s @ 3xPd(max), $\Delta$ T=25K (40 to ass. Input filter for increased noise immunity. requency Burst (improved capability by external correquency Switching (two auxiliary supply inputs Valted High Frequency Burst ansition Time decrease the rise and fall time by 20% ually increased "Min. On-Time" to avoid unwanted	e safety earthings termin d max. frequency f <sub>(max)</sub> . F & driver over-heat, over-f ved, switch ON". RED: 65°C), coolant flow > 31 / 1 Option I-PC Option I-SU Option I-FWDN Option I-FWDN Option FT-C I triggering Option TH	als (threaded inserts) of digher rep rates require frequency, low auxiliant raal safety circuits. L = "Fault condition, switch min. Separate driver professed from the series of the ser	on bottom side. e option HFS. y voltage. L = Fault. Switch Inhibited. n OFF" tection. ts according to customer spe sisin, UL94-V0 ode. In connection with inductiv de Network. In connection with Flexible leads (I=75mm) with le	e load only. inductive loa emo separate actor 3 to 10