Marchanic Country Congress   Veryon   In-Vision   April Configuration Vision   Veryon   Ver		Specification	Symbol	Condition / Comment			151-	01-GSM	201-01-GSM	301-01-GSM	Unit
Macrimum Turn-Chi Peak Current   Vesual   Vesu		Maximum Operating Voltage	aximum Operating Voltage V <sub>O(max)</sub> I <sub>off</sub> < 50 μADC, T <sub>case</sub> = 70°C				-	± 15	± 20	± 30	kVDC
Name				Between HV switch and control / GND, continuously					± 40		kVDC
A								± 50		kVDC	
National Continuous Load Current   Use   Continuous Prover Dissipation   Purver   Continuous Proventinuous Prov	S	Maximum Turn-On Peak Current	$I_{P(max)}$	T <sub>case</sub> = 25°C							
Maintenant Continuous Load Current   Superant Primary   Superant Pri	Š										
Maintenant Continuous Load Current   Superant Primary   Superant Pri	17										ADC
Tow = 20°C   Devices with applion CF, forced air 4 mis   0.04		Maximum Cantinuous Load Curren	. I								ADC
	<b>N</b> 5	IVIAXIITIUITI COHUHUOUS LOAU CUHEH	L IL(max)	T - 25°C							
				Trase - 25 C							ADC
	X	Max. Continuous Power Dissipation	P <sub>d(max)</sub>					11		20	
Copyright   Emperature Range   15   Similared devices & options OF, CSCP, LEC, Cippion LCO   4-00, 19(8)   70	. 7		- u(max)	T <sub>case</sub> = 25°C	Devices with option CF, forced air 4 m/s						
Comparing Temperature Range   1	Ę						1	1500	1900	2000	Watt
Comparing Temperature Range   1	70	Linear Derating			Devices with option CF, forced air 4 m/s						
Comparing Temperature Range   1	BS			Above 25°C							101116
Stronge Temperature Range   15   Switches with option LiG may require firest protection!   4-0.90   7-0	4	Operating Temperature Bange	т -	Standard dayion			,	34,2		81,51	
Max. Available Voltage						, , ,			, ,		_
Max. Auxiliary Voltage											
Particular Coperating Voltage   Vo   Empiricary Control of the National Cont		•		, ,							VDC
Typical Project Current				Unipolar operation (one switch pole grounded or floated)			0	± 15		0 ± 30	kVDC
Page		,				0	. ± 7.5	0 ± 10	0 ± 15		
Typical Off-State Current   Iur   0.84/vs, Tue = 25.70°C, reduced Iur on request   < 40		Typical Breakdown Voltage	V <sub>br</sub>	NOTE: V <sub>br</sub> is a test parameter for quality control				16	22	32	kVDC
Typical Tum-On Resistance		Typical Off-State Current	l <sub>off</sub>	0.8xV <sub>0</sub> , T <sub>case</sub> =2	2570°C, reduced I	ff on request			< 40		μADC
1		71			·			72		144	
Typical Progragation Delay Time   Supple   Resistive load, 10 1 x lunus, 0 8 x Vuyum, 1 = 0.0 x Vuyum, 1 = 0.1 x lunus   24   30   52   73   125   73   73   73   73   73   73   73   7		••		t <sub>p</sub> < 1µs, duty c	ycle < 1% 1.0 x	P(max), Tcase =25°C			217	326	
Typical Quity Flustes Litter   Little								504		739	Ohm
Price   Output   Transition   Time			t <sub>d(on)</sub>								
Maximum Burst Frequency	SS		t <sub>j</sub>					24		EO	ns
Maximum Burst Frequency	J.L		T <sub>r,</sub> T <sub>f</sub>	Resistive load,							
Maximum Burst Frequency	R/S	(Nise Time & Fall Time)									ns
Maximum Burst Frequency	Ĭ	Maximum Turn-On Time ton(max) No limita									
Maximum Burst Frequency	22	Minimum Turn-On Time	can be customized. Please consult factory					250		ns	
Maximum Burst Frequency	3										
National Burst Frequency	3				11,7						
Natural Capacitance	74.			(,				80		80	
Natural Capacitance	RIC										
Natural Capacitance	2	Coupling Capacitance Cc								t option HFB for >20 pulses	ruises
Natural Capacitance	275			1 • 1							pF
Control Voltage Range											
Typical Auxiliary Supply Current   Inax									3 10		VDC
Active current limitation above 1A. @ specified f <sub>resol</sub> 800 800 800 800 mAD Opt. HFS, Ext. Supply Voltage V1 V <sub>HFSVP</sub> , Stability ±3%, current consumption <0.4 mA/kHz @ 25°C 239 316 316 VDC Intrinsic Diode Forward Voltage V2 V <sub>HFSVP</sub> , Stability ±3%, current consumption <0.5 mA/kHz @ 25°C 239 316 316 VDC Intrinsic Diode Reverse Recovery Time I <sub>Troso</sub> = 25°C, I <sub>F</sub> = 0.3 x I <sub>Ryman</sub> , diotd = 100 A/µs      20 42 64 VDC Diode Reverse Recovery Time I <sub>Troso</sub> = 25°C, I <sub>F</sub> = 0.3 x I <sub>Ryman</sub> , diotd = 100 A/µs      20 42 64 VDC Control Signal Input Logic Signal Input Logic Signal Input LED Indicators				117							VDC
Opt. HFS, Ext. Supply Voltage V1 Virsioving Stability ±3%, current consumption <0.4 mA/kHz @ 25°C		Typical Auxiliary Supply Current	laux								ADC
Opt. HFS, Ext. Supply Voltage V2   V <sub>HFS,VZ</sub>   Stability ±3%, current consumption <0.5 mA/kHz @ 25°C   239   316   316   VDC		Ont HES Ext Supply Voltage V	V.,,500,00					800		800	
Intrinsic Diode Forward Voltage   VF   Tosse = 25°C,   F = 0.3 x   Inmade   Diode Reverse Recovery Time   Irro   Tosse = 25°C,   F = 0.3 x   Inmade   Diode Reverse Recovery Time   Irro   Tosse = 25°C,   F = 0.3 x   Inmade   Diode Reverse Recovery Time   Irro   Tosse = 25°C,   F = 0.3 x   Inmade   Diode Reverse Recovery Time   Irro   Tosse = 25°C,   F = 0.3 x   Inmade   Diode   Reverse   Diode Reverse Recovery Time   Irro   Tosse = 25°C,   F = 0.3 x   Inmade   Diode   Diod				, ,				239		316	
Diode Reverse Recovery Time   trc   Tosse = 25°C, I <sub>2</sub> = 0.3 x I <sub>graph</sub> , di/dt = 100 A/µs   <250ns   ns   Dimensions   LxWxH   Standard housing, without pigtalis   163x64x27   200x70x35   263x70x28   Devices with option CF   Please contact the   manufactured   mm*   Devices with option ILC & DLC   Please contact the   manufactured   mm*   Devices with option CF   Devices with option CF   Devices with option CF   Devices with option ILC & DLC   g   Control Signal Input   Logic GND /5V Return   SV Auxiliary Supply   Fault Signal Output   Inhibit Signal Input   Logic GND /5V Return   Pin 2 / Black (LS-C: Shielding). The ground pin is internally connected with the safety earthings terminals (threaded inserts) on bottom side.   Pin 3 / Red (LS-C: Pin 4). The 5 V input is used for rep rates up to the specified max. frequency f <sub>(max)</sub> . Higher rep rates require option HFS.   Pin 4 / Orange (LS-C: Pin 3). TTL compatible, Schmitt-Trigger characteristics for the connection of external safety circuits. L = Switch Inhibited.   Pin 5 / Green (LS-C: Pin 2). TTL compatible, Schmitt-Trigger characteristics for the connection of external safety circuits. L = Switch Inhibited.   REEN: "Auxiliary power good, switch OFF". YELLOW: "Control signal received, switch ON". RED: "Fault condition, switch OFF"   A) Standard switches and switches with opti. PC. CF., GCF: Thermo trigger 75°C, response time < 6 0 s @ 3xPd(max), AT=25K (50 to 75°C). Separate driver protection.   B) Switches with option DLC: 65°C, response time < 3 s @ 3xPd(max), AT=25K (40 to 65°C), coolant flow > 31 / min. Separate driver protection.   Option HFS   High Frequency Burst (moroved capability by external capacitors).   Option FPC   Dimin FPW   Inhibition option FPC   Opt											VDC
Dimensions   LxWxH   Standard housing, without pigtails   Devices with option CF   Devices with option ILC & DLC   Business contact the manufactured!   Devices with option ILC & DLC   Business contact the manufactured!   Devices with option ILC & DLC   Pin 3 / Tel Compatible (LS-C: Pin 1). TTL compatible (LS-C: With 100Ω termination). Schmitt-Trigger characteristics. Control voltage 2-10 V (3-5 V for low jitter).   Logic GND / 5V Return   SV Auxiliary Supply   Fault Signal Input   Logic Inhibit Signal Input   Libe Indicators   Pin 3 / Red (LS-C: Pin 4). The 5 V input is used for rep rates up to the specified max. frequency f <sub>(max)</sub> . Higher rep rates require option HFS.   Pin 4 / Orange (LS-C: Pin 3). TTL output, short circuit proof. Indicating switch & driver over-heat, over-frequency, low auxiliary voltage. L = Fault.   Pin 5 / Green (LS-C: Pin 2). TTL compatible, Schmitt-Trigger characteristics for the connection of external safety circuits. L = Switch Inhibited.   GREEN: "Auxiliary power good, switch OFF". YELLOW: "Control signal received, switch ON". RED: "Fault condition, switch OFF"   A) Standard switches with option DLC: 65°C, response time < 3 s @ 3xPd(max), ΔT=25K (40 to 65°C), coolant flow > 3l / min. Separate driver protection.   Pin 5 / Green (LS-C: Pin 4). The push-pul Switch, 15A   Option HFB   High Frequency Busts (Improved capability by external capacitors)   Option HPW   Integrated part components according to customer specification.   This 301-01-05M   Fast HV Push-Pul Switch, 15A   Option HFB   High Frequency Busts   Imported capability by external capacitors   Option HPW   Integrated Free-Wheeling Dock in correction with inductive lead only.   Option HPW   Integrated Free-Wheeling Dock in correction with inductive lead only.   Option Min-Oth   Option Min-Oth   Individually increased 19kin CH-Time* to avoid unwanted triggering   Option TH   Tubular Housing   Option TH   Tubular Housing   Option TH   Tubular Housing   Option TH   Option SO-40   Option Min-Oth   Option Min-Oth   Option Min-O											
Devices with option ILC & DLC   manufactured   mmi		Dimensions	LxWxH					x64x27	200x70x35	263x70x28	
Devices with option ILC & DLC  Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output Inhibit Signal Input LED Indicators Temperature Protection Temperature Protection  HTS 191-01-GSM Fast HV Push-Pull Switch, 30kV, 15 A Option IPD HTS 201-01-GSM Fast HV Push-Pull Switch, 30kV, 15 A Option IPD Option IMFS High Frequency Burst (improved capability by external capacitors) Option IMFS Option IPS	90								Please contact the		
Devices with option ILC & DLC  Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output Inhibit Signal Input LED Indicators Temperature Protection Temperature Protection  HTS 191-01-GSM Fast HV Push-Pull Switch, 30kV, 15 A Option IPD HTS 201-01-GSM Fast HV Push-Pull Switch, 30kV, 15 A Option IPD Option IMFS High Frequency Burst (improved capability by external capacitors) Option IMFS Option IPS	ISI	1M * 1 /	1					manufactured!		mm <sup>3</sup>	
Devices with option ILC & DLC  Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output Inhibit Signal Input LED Indicators Temperature Protection Temperature Protection  HTS 191-01-GSM Fast HV Push-Pull Switch, 30kV, 15 A Option IPD HTS 201-01-GSM Fast HV Push-Pull Switch, 30kV, 15 A Option IPD Option IMFS High Frequency Burst (improved capability by external capacitors) Option IMFS Option IPS	10	Weight	9								
Control Signal Input Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output Inhibit Signal Input LED Indicators Temperature Protection Temperature Protection With Inhibit Signal Input LED Indicators Temperature Protection Temperature Protection Temperature Protection With Inhibit Signal Signal Output Inhibit Signal Input LED Indicators Temperature Protection Temperature Protectio	I		·					manufactured!		a	
Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output Inhibit Signal Input Inhibit Signal I								gger characte	ristics. Control voltage	2-10 V (3-5 V for low	
Fin 3 / Red (LS-C: Pin 4). The 5 V input is used for rep rates up to the specified max. frequency f <sub>(max)</sub> . Higher rep rates require option HFS.  Pin 4 / Orange (LS-C: Pin 3). TTL output, short circuit proof. Indicating switch & driver over-heat, over-frequency, low auxiliary voltage. L = Fault.  Inhibit Signal Input LED Indicators Temperature Protection  Temperature Protection  Pin 5 / Green (LS-C: Pin 2). TTL compatible, Schmitt-Trigger characteristics for the connection of external safety circuits. L = Switch Inhibited.  GREEN: "Auxiliary power good, switch OFF". YELLOW: "Control signal received, switch ON". RED: "Fault condition, switch OFF"  A) Standard switches and switches with option DLC: 65°C, response time < 3 s @ 3xPd(max), \( \Delta T=25K\) (40 to 65°C), coolant flow > 3! / min. Separate driver protection.  HTS 101-01-GSM Fast HV Push-Pull Switch, 15kV, 15 A Option HFB High Frequency Burst (improved capability by external capacitors)  HTS 301-01-GSM Fast HV Push-Pull Switch, 30kV, 15 A Option HFB High Frequency Burst (improved capability by external capacitors)  Option HFB Integrated Pine Orange (including Switch)  A) Standard switches and switches with option DLC: 65°C, response time < 3 s @ 3xPd(max), \( \Delta T=25K\) (40 to 65°C), coolant flow > 3! / min. Separate driver protection.  HTS 301-01-GSM Fast HV Push-Pull Switch, 15kV, 15 A Option HFB High Frequency Burst (improved capability by external capacitors)  Option HFB High Frequency Switching (two auxiliary supply inputs V1 & V2) Option I-FWDN Integrated Free-Wheeling Diode. In connection with inductive load only.  Option HFB Individually increased "Min. On-Time" to avoid unwanted triggering Option FT-C Option High Transition Time decreases the rise and fall time by 20% Option FT-C Option FT-C Option Min-On Option Min-On Individually increased "Min. On-Time" to avoid unwanted triggering Option FP-C Option FP-Quancy and be increased by the factor 3 to 10. Option ISO-40 40kV Isolation. Isolation Voltage increased to 80kV. Option DLC Indirect L											, ,
Temperature Protection  A) Standard switches and switches with option DLC: 65°C, response time < 3 s @ 3xPd(max), \( \Delta T=25K\) (50 to 75°C). Separate driver protection.  B) Switches with option DLC: 65°C, response time < 3 s @ 3xPd(max), \( \Delta T=25K\) (40 to 65°C), coolant flow > 3l / min. Separate driver protection.  HTS 151-01-GSM Fast HV Push-Pull Switch, 15kV, 15 A Option LP Low Pass. Input filter for increased noise immunity.  HTS 201-01-GSM Fast HV Push-Pull Switch, 20kV, 15 A Option HFB High Frequency Burst (improved capability by external capacitors)  Option IL-94 Flame retardant casting resin, UL94-V0  HTS 301-01-GSM Fast HV Push-Pull Switch, 30kV, 15 A Option HFB High Frequency Burst (improved capability by external capacitors)  Option IFWD Integrated Free-Wheeling Diode. In connection with inductive load only.  Option IFFS Integrated High Frequency Burst (mproved capability by external capacitors)  Option IFFDN Integrated Free-Wheeling Diode. In connection with inductive load only.  Option IFFS Option S-TT Soft Transition Time decrease the rise and fall time by 20% Option IFFWDN Integrated Free-Wheeling Diode. Network. In connection with inductive load only.  Option Min-On Individually increased "Min. On-Time" to avoid unwanted triggering Option SEP-C Separated control unit. Control unit. Control unit. With LED indicators in a separate Individually increased "Min. On-Time" to avoid unwanted triggering Option TH Tubular Housing  Option ISO-40 40kV Isolation. Isolation Voltage increased to 40kV. Option GCF Grounded Cooling Flange. P <sub>dimax</sub> can be increased by the factor 3 to 15.  Option ISO-40 40kV Isolation. Isolation Voltage increased to 80kV. Option ICC Indirect Liquid Cooling (for water). P <sub>dimax</sub> can be increased by the factor 10 to 100.	NS							-	,		
Temperature Protection  A) Standard switches and switches with option DLC: 65°C, response time < 3 s @ 3xPd(max), \( \Delta T=25K\) (50 to 75°C). Separate driver protection.  B) Switches with option DLC: 65°C, response time < 3 s @ 3xPd(max), \( \Delta T=25K\) (40 to 65°C), coolant flow > 3l / min. Separate driver protection.  HTS 151-01-GSM Fast HV Push-Pull Switch, 15kV, 15 A Option LP Low Pass. Input filter for increased noise immunity.  HTS 201-01-GSM Fast HV Push-Pull Switch, 20kV, 15 A Option HFB High Frequency Burst (improved capability by external capacitors)  Option IL-94 Flame retardant casting resin, UL94-V0  HTS 301-01-GSM Fast HV Push-Pull Switch, 30kV, 15 A Option HFB High Frequency Burst (improved capability by external capacitors)  Option IFWD Integrated Free-Wheeling Diode. In connection with inductive load only.  Option IFFS Integrated High Frequency Burst (mproved capability by external capacitors)  Option IFFDN Integrated Free-Wheeling Diode. In connection with inductive load only.  Option IFFS Option S-TT Soft Transition Time decrease the rise and fall time by 20% Option IFFWDN Integrated Free-Wheeling Diode. Network. In connection with inductive load only.  Option Min-On Individually increased "Min. On-Time" to avoid unwanted triggering Option SEP-C Separated control unit. Control unit. Control unit. With LED indicators in a separate Individually increased "Min. On-Time" to avoid unwanted triggering Option TH Tubular Housing  Option ISO-40 40kV Isolation. Isolation Voltage increased to 40kV. Option GCF Grounded Cooling Flange. P <sub>dimax</sub> can be increased by the factor 3 to 15.  Option ISO-40 40kV Isolation. Isolation Voltage increased to 80kV. Option ICC Indirect Liquid Cooling (for water). P <sub>dimax</sub> can be increased by the factor 10 to 100.	20										
Temperature Protection  A) Standard switches and switches with option DLC: 65°C, response time < 3 s @ 3xPd(max), \( \Delta T=25K\) (50 to 75°C). Separate driver protection.  B) Switches with option DLC: 65°C, response time < 3 s @ 3xPd(max), \( \Delta T=25K\) (40 to 65°C), coolant flow > 3l / min. Separate driver protection.  HTS 151-01-GSM Fast HV Push-Pull Switch, 15kV, 15 A Option LP Low Pass. Input filter for increased noise immunity.  HTS 201-01-GSM Fast HV Push-Pull Switch, 20kV, 15 A Option HFB High Frequency Burst (improved capability by external capacitors)  Option IL-94 Flame retardant casting resin, UL94-V0  HTS 301-01-GSM Fast HV Push-Pull Switch, 30kV, 15 A Option HFB High Frequency Burst (improved capability by external capacitors)  Option IFWD Integrated Free-Wheeling Diode. In connection with inductive load only.  Option IFFS Integrated High Frequency Burst (mproved capability by external capacitors)  Option IFFDN Integrated Free-Wheeling Diode. In connection with inductive load only.  Option IFFS Option S-TT Soft Transition Time decrease the rise and fall time by 20% Option IFFWDN Integrated Free-Wheeling Diode. Network. In connection with inductive load only.  Option Min-On Individually increased "Min. On-Time" to avoid unwanted triggering Option SEP-C Separated control unit. Control unit. Control unit. With LED indicators in a separate Individually increased "Min. On-Time" to avoid unwanted triggering Option TH Tubular Housing  Option ISO-40 40kV Isolation. Isolation Voltage increased to 40kV. Option GCF Grounded Cooling Flange. P <sub>dimax</sub> can be increased by the factor 3 to 15.  Option ISO-40 40kV Isolation. Isolation Voltage increased to 80kV. Option ICC Indirect Liquid Cooling (for water). P <sub>dimax</sub> can be increased by the factor 10 to 100.	FUNC	Inhibit Signal Input Pin 5 / Green (LS-C: Pin 2). TTL compatible, Schmitt-Trigger characteristics for						ection of exte	rnal safety circuits. L =	Switch Inhibited.	
Protection. B) Switches with option DLC: 65°C, response time < 3 s @ 3xPd(max), \( \Delta T=25K\) (40 to 65°C), coolant flow > 3l / min. Separate driver protection.  HTS 151-01-GSM Fast HV Push-Pull Switch, 15kV, 15 A   Option LP   Low Pass. Input filter for increased noise immunity.   Option IPC   Integrated part components according to customer specification.   HTS 201-01-GSM Fast HV Push-Pull Switch, 20kV, 15 A   Option HFB   High Frequency Burst (improved capability by external capacitors)   Option UL-94   Flame retardant casting resin, UL94-V0   HTS 301-01-GSM Fast HV Push-Pull Switch, 30kV, 15 A   Option HFB   High Frequency Burst (improved capability by external capacitors)   Option IFFWD   Integrated Free-Wheeling Diode. In connection with inductive load only.  Option HFS   Integrated High Frequency Burst   Option IFFWDN   Integrated Free-Wheeling Diode. Network. In connection with inductive load only.  Option N=TT   Option Min-On   Individually increased the rise and fall time by 20%   Option PT-C   Option IFFWDN   Integrated Free-Wheeling Diode. Network. In connection with inductive load only.  Option Min-On   Individually increased "Min. On-Time" to avoid unwanted triggering   Option SEP-C   Separated control unit. Control unit. Control unit. With LED indicators in a separate   Individually increased Min. Of-Time" to avoid unwanted triggering   Option TH   Tubular Housing   Option SEP-C   Option S											
HTS 151-01-GSM Fast HV Push-Pull Switch, 15kV, 15 A PITS 201-01-GSM Fast HV Push-Pull Switch, 20kV, 15 A PITS 201-01-GSM Fast HV Push-Pull Switch, 20kV, 15 A PITS 201-01-GSM Fast HV Push-Pull Switch, 20kV, 15 A PITS 201-01-GSM Fast HV Push-Pull Switch, 20kV, 15 A PITS 201-01-GSM Fast HV Push-Pull Switch, 20kV, 15 A PITS 201-01-GSM Fast HV Push-Pull Switch, 30kV, 15 A PITS 201-01-GSM Fast HV Push-Pull Switch, 30kV, 15 A PITS 201-01-GSM Fast HV Push-Pull Switch, 30kV, 15 A PITS 201-01-GSM Fast HV Push-Pull Switch, 30kV, 15 A PITS 201-01-GSM Fast HV Push-Pull Switch, 30kV, 15 A PITS 201-01-GSM Fast HV Push-Pull Switch, 30kV, 15 A PITS 201-01-GSM Fast HV Push-Pull Switch, 30kV, 15 A PITS 201-01-GSM Fast HV Push-Pull Switch, 30kV, 15 A PITS 201-01-GSM Fast HV Push-Pull Switch, 30kV, 15 A PITS 201-01-GSM Fast HV Push-Pull Switch, 30kV, 15 A PITS 201-01-GSM Fast HV Push-Pull Switch, 30kV, 15 A PITS 201-01-GSM Fast HV Push-Pull Switch, 30kV, 15 A PITS 201-01-GSM Past HV Push-Pull Switch, 30kV, 15 A PITS 201-01-GSM Past HV Push-Pull Switch, 30kV, 15 A PITS 201-01-GSM Past HV Push-Pull Switch, 30kV, 15 A PITS 201-01-GSM Past HV Push-Pull Switch, 30kV, 15 A PITS 201-01-GSM Past HV Push-Pull Switch, 30kV, 15 A PITS 201-01-GSM Past HV Push-Pull Switch, 30kV, 15 A PITS 201-01-GSM Past HV Push-Pull Switch, 30kV, 15 A PITS 201-01-GSM Past HV Push-Pull Switch, 30kV, 15 A PITS 201-01-GSM Past HV Push-Pull Switch, 30kV, 15 A PITS 201-01-GSM Past HV Push-Pull Switch, 30kV, 15 A PITS 301-01-GSM Past HV Push-Pull Switch, 30kV, 15 A PITS 301-01-GSM Past HV Push-Pull Switch, 30kV, 15 A PITS 301-01-GSM Past HV Push-Pull Switch, 30kV, 15 A PITS 301-01-GSM Past HV Push-Pull Switch, 30kV, 15 A PITS 301-01-GSM Past HV Push-Pull Switch, 30kV, 15 A PITS 301-01-GSM Past HV Push-Pull Switch, 30kV, 15 A PITS 301-01-GSM Past HV Push-Pull Switch, 30kV, 15 A PITS 301-01-GSM Past HV Push-Pull Switch, 30kV, 15 A PITS 301-01-GSM Past HV Push-Pull Switch, 30kV, 15 A PITS 301-01-GSM Past Available Fast HV Push-Pull Switch, 30kV, 15 A PITS 301-GSM Past											
HTS 201-01-GSM Fast HV Push-Pull Switch, 20kV, 15 A HTS 301-01-GSM Fast HV Push-Pull Switch, 30kV, 15 A Option HFB High Frequency Burst (improved capability by external capacitors) Option LI-94 Option LI-94 Option LI-94 Option LI-94 Option LI-94 Integrated Free-Wheeling Diode. In connection with inductive load only.  Option LI-WD Integrated Free-Wheeling Diode Network. In connection with inductive load only.  Option HFS Option S-TT Option Min-On Individually increased "Min. On-Time" to avoid unwanted triggering Option SEP-C Separated control unit. Control	RING						7				
HTS 301-01-GSM Fast HV Push-Pull Switch, 30kV, 15 A Option HFS Opt							•			ication.	
Option S-TT Soft Transition Time decrease the rise and fall time by 20% Option PT-C Pigtail for control connection: Flexible leads (I=75mm) with lemo connector Option Min-On Individually increased "Min. On-Time" to avoid unwanted triggering Option SEP-C Separated control unit. Control unit with LED indicators in a separate Option Min-Off Individually increased "Min. Off-Time" to avoid unwanted triggering Option TH Tubular Housing Option PCC Pulser Configuration. Switch combined with custom specific parts. Option CF Copper Cooling Fins. P <sub>d(max)</sub> can be increased by the factor 3 to 10. Option ISO-80 80kV Isolation. Isolation Voltage increased to 40kV. Option ILC Indirect Liquid Cooling (for water). P <sub>d(max)</sub> can be increased by the factor 3 to 15. Option ISO-81 120kV Isolation. Isolation Voltage increased to 120kV. Option ILC Direct Liquid Cooling (for water). P <sub>d(max)</sub> can be increased by the factor 10 to 100.			Option HFS	Option HFS High Frequency Switching (two auxiliary supply inputs V1 &			Option I-FWD			oad only.	
Option ISO-40 40kV Isolation. Isolation Voltage increased to 40kV. Option GCF Grounded Cooling Flange. P <sub>d(max)</sub> can be increased by the factor 3 to 15.  Option ISO-80 80kV Isolation. Isolation Voltage increased to 80kV. Option ILC Indirect Liquid Cooling (for water). P <sub>d(max)</sub> can be increased by the factor 3 to 15.  Option ISO-120 120kV Isolation. Isolation Voltage increased to 120kV. Option DLC Direct Liquid Cooling. P <sub>d(max)</sub> can be increased by the factor 10 to 100.							•				
Option ISO-40 40kV Isolation. Isolation Voltage increased to 40kV. Option GCF Grounded Cooling Flange. P <sub>d(max)</sub> can be increased by the factor 3 to 15.  Option ISO-80 80kV Isolation. Isolation Voltage increased to 80kV. Option ILC Indirect Liquid Cooling (for water). P <sub>d(max)</sub> can be increased by the factor 3 to 15.  Option ISO-120 120kV Isolation. Isolation Voltage increased to 120kV. Option DLC Direct Liquid Cooling. P <sub>d(max)</sub> can be increased by the factor 10 to 100.							•	•			
Option ISO-40 40kV Isolation. Isolation Voltage increased to 40kV. Option GCF Grounded Cooling Flange. P <sub>d(max)</sub> can be increased by the factor 3 to 15.  Option ISO-80 80kV Isolation. Isolation Voltage increased to 80kV. Option ILC Indirect Liquid Cooling (for water). P <sub>d(max)</sub> can be increased by the factor 3 to 15.  Option ISO-120 120kV Isolation. Isolation Voltage increased to 120kV. Option DLC Direct Liquid Cooling. P <sub>d(max)</sub> can be increased by the factor 10 to 100.	DE		Option Min-Off	Option Min-Off Individually increased "Min. Off-Time" to avoid unwanted to			ggering Option TH Tubular Housing				
Option ISO-80 80kV Isolation. Isolation Voltage increased to 80kV. Option ILC Indirect Liquid Cooling (for water). Polyman, can be increased by the factor 3 Option ISO-120 120kV Isolation. Isolation Voltage increased to 120kV. Option DLC Direct Liquid Cooling. Polyman, can be increased by the factor 10 to 100.	OR			· · · · · · · · · · · · · · · · · · ·							
				Option ISO-80 80kV Isolation. Isolation Voltage increased to 80kV.				•	LC Indirect Liquid Cooling (for water). P <sub>d(max)</sub> can be increased by the factor 3 to 15		
Uption is U-zuu   Zuukv Isolation. Isolation Voltage Increased to Zuukv.   FOR FURTHER PRODUCT OPTIONS PLEASE REFER TO THE OPTIONS PAGE.			Option ISO-120 120kV Isolation. Isolation Voltage increased to 120kV.								
Customized switching units are available on request. All data and specifications subject to change without notice. Please visit www.behlke.com for up-dates. 201-01-GSM-RS / Revision 18.09.2018 ©2012 All rights		omizad switching units are available on re	·								