Note on Operating Votage		Specification	Decification Symbol Condition / Comment							FC	QD 60-02	FQD 80-03	Unit		
Name Status Status <th></th> <td>-</td> <td></td> <td>qe</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>6000</td> <td>8000</td> <td>VDC</td>		-		qe								6000	8000	VDC	
Type Type Vec Vec<					,			continuously	v		ł				
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Designation Devices with option DLCLC.T (jugid-25°C, liber/imm Beits 200 mount bases Watt Mass. Continuous Switching fiver Colong may be required at higher Standard devices 100 101 102 Version Switching fiver Colong may be required at higher Standard devices 100 102 100 1		Maximum Continuous Power			Pd(max)	Standard devices & FC. T=25°C					5				
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Name Specify up to 500 Maximum Bank Frequency forme Use option HFB for 10 pulses within 20 ps or less 2 Maize Operand Trepreture Range Tar.		5			f _(max)								100		
Maximum Burst Program Customized units 2 Meriz Meriz Operating Temperature Range Top Top Extended range on request 4075 C* Strage Temperature Range Top Top Extended range on request 40075 C* Misz, Cerningbio Magnetic Field 3 Homogeneous steph field (surraining the More Switch) 25 m17 Misz, Cerningbio Magnetic Field 3 Homogeneous steph field (surraining the More Switch) 25 m17 Misz, Cerningbio Magnetic Field 3 Homogeneous steph field (surraining the More Switch) 55 VUCC Typical Tum-Ch. Juffer Tum Tum Restrict (steph field (s						operating frequency			n HFS	S					
Maxmum Distribution Frequency Samuel Use option HFB for 10 pulses within 20µs or less 2 MMM Storage Temperature Range To Estimation are used. 40.75 C* Max. Permission Magnatic Field B Homogeneous standy-field, surrounding the whole suith 25 mT Max. Permission Magnatic Field B Homogeneous standy-field, surrounding the whole suith 25 mT Max. Permission Magnatic Field B Homogeneous standy-field, surrounding the whole suith 25 mT Typical Prover Displation Pa BUH nonconclus standy-field for colling option C+:usr 1.8 6.2 Typical Prover Displation Pa BO Sho FT00HE C+:usr 10.0 PS Typical Prover Displation Delay Time band Heard Hold, Disk V/ Vira C-SD V/D 10.0 PS Typical Prover Displation Delay Time band Heard Hold, Disk V/ Vira C-SD V/D 10.0 PS Typical Prover Displation Displation band Book Shaded C+:usr 2.8 4.8 4.8 Typical Lum-On Time ba Bold Pi										up to 500					
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Understand December and comparison of CF. Standard device without cooling option have 10% least losses. To the Count of Count	2	Typical Power D	Dissipation		Pd			f=2kHz	C	CL=10 pF					
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FOD 60-02 C-Switch driver, on mode, 6.0 kVDC, 20 A Option OFF OFF med configuration. Option OF1-00 Switch configurati	I										manufactured!				
Logic GND / 5V Return 5V Auxiliary Supply Fault Signal Output LED Indicators Temperature Protection Pin 2 / Black. The ground pin is internally connected with the safety earthing terminal (threaded insert) on bottom side. Pin 4 / Orange. TTL output, short circuit proof. Indicating switch & driver over-heat, over-frequency, low auxiliary voltage. L = Fault. Pin 5 / Black. The ground pin is internally connected with the safety earthing terminal (threaded insert) on bottom side. GREEN: "Ready, auxiliary power good". YELLOW: "Switch triggered". RED: "Fault condition, switch OFF" A) Standard switches and switches with option GCF: Thermo trigger 75°C, response time < 60 s @ 3xPd(max), ΔT=25K (50 to 75°C). Separate driver protection.															
SV Auxiliary Supply Fault Signal Output LED Indicators Pin 3 / Red. The 5 V input is used for rep rates up to the specified max. frequency f _(max) . Higher rep rates require option HFS. Temperature Protection Pin 5 / Black. The ground pin is internally connected with the safety earthing terminal (threaded insert) on bottom side. GREEN: "Ready, auxiliary power good". YELLOW: "Switch triggered". RED: "Fault condition, switch OFF" A) Standard switches and switches with option GCF: Thermo trigger 75°C, response time < 60 s @ 3xPd(max), ΔT=25K (50 to 75°C). Separate driver protection.															
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A) Standard switches and switches with option GCF: Thermo trigger 75°C, response time < 60 s @ 3xPd(max), ΔT=25K (50 to 75°C). Separate driver protection.	5	Temperature P	rotection		-		ary power good". YELLOW: "Switch triggered". RED: "Fault cor					idition, switch OFF"			
B) Switches with option DLC: 65°C, response time < 3 s @ 3xPd(max), ∆T=25K (40 to 65°C), coolant flow > 3/ min. Separate driver protection. FQD 60-02 Q-Switch driver, on mode, 6.0 kVDC, 20 Option OFF OFF mode configuration. FQD 80-03 Q-Switch driver, on mode, 8.0 kVDC, 30 A Option NEG Negative high voltage supply/hegative output pulse polarity. FQD 80-03 Q-Switch driver, on mode, 8.0 kVDC, 30 A Option NEG Negative high voltage supply/hegative output pulse polarity. Option HFB High Frequency Burst, Improved burst capability by driver. Option HFB High Frequency Burst, Improved burst capability by driver. Option HFB High Frequency Switching (two auxiliary supply inputs V1 & V2) Option SPT-C Srielded pigtal for control connection, ind. LEMO plug Option MRE Modified working resistor (customized HV-pulse, tp(HV)&tf) Option ILC Indirect Liquid Cooling (for water). Pd(max) can be increased by the factor 3 to 15 Option OT-1µ Switch on-time 1µs FOR FURTHER PRODUCT OPTIONS PLEASE REFER TO THE OPTIONS PAGE. FOR FURTHER PRODUCT OPTIONS PLEASE REFER TO THE OPTIONS PAGE.													(50 to 75°C) Separate driver	r protection	
FQD 60-02 Q-Switch driver, on mode, 6.0 kVDC, 20.A Option OFF OFF mode configuration. Option OT-10µ Switch on-time 10µs FQD 80-03 Q-Switch driver, on mode, 8.0 kVDC, 30.A Option NEG Negative high voltage supply/negative output pulse polarity. Option OT-10µ Switch on-time 10µs PQD 80-03 Q-Switch driver, on mode, 8.0 kVDC, 30.A Option NEG Negative high voltage supply/negative output pulse polarity. Option OT-10µ Switch on-time 10µs PQD 80-03 Q-Switch driver, on mode, 8.0 kVDC, 30.A Option NEG Negative high voltage supply/negative output pulse polarity. Option OT-10µ Switch on-time 10µs PQD 80-03 Q-Switch driver, on mode, 8.0 kVDC, 30.A Option NEG Negative high voltage supply/negative output pulse polarity. Option PL-HV Plug connector for high voltage connection PQD 80-03 Q-Switch driver, on mode, 8.0 kVDC, 20.A Option NEG High Frequency Switching (two auxiliary supply inputs V1 & V2) Option PL-HV Plug connector for high voltage connection Option UL94 Flame retardent casting resistor (customized HV-pulse, tp(HV)& V2) Option NEC Indirect Liquid Cooling (for water). Pd(max) can be increased by the factor 3 to 15 Option OT-1µ Switch on-time 1µs Switch on-time 1µs<											-			- protoouori.	
FQD 80-03 Q-Switch driver, on mode, 8.0 kVDC, 30 A Option NEG Negative high voltage supply/negative output pulse polarity. Option OT-100µ Switch on-time 100µS V Option HFB High Frequency Burst, Improved burst capability by driver. Option PL-HV Plug connector for high voltage connection Option HFS High Frequency Switching (two auxiliary supply inputs V1 & V2) Option SPT-C Shielded pigtal for control connection, incl. LEMO plug Option UL94 Filame retardent casting resin according to UL94-V/O Option ILC Grounded cooling flarge (altachment on heatsinks) Option M-RL Modified working resistor (customized HV-pulse, tp(HV)&tf) Option ILC Indirect Liquid Cooling (for water). Pd(max) can be increased by the factor 3 to 15 Option OT-1µ Switch on-time 1µS Switch on-time 1µS Option NEL FOR FURTHER PRODUCT OPTIONS PLEASE REFER TO THE OPTIONS PAGE.		,				3									
Option HFB High Frequency Burst, Improved burst capability by driver. Option PL-HV Plug connector for high voltage connection Option HFS High Frequency Switching (two auxiliary supply inputs V1 & V2) Option SPT-C Shielded pigtal for control connection, incl. LEMO plug Option UL94 Flame retardent casting resin according to UL94-VO Option GCF Grounded cooling flange (attachment on heatsinks) Option M-RL Modified working resistor (customized HV-pulse, tp(HV)&tf) Option ILC Indirect Liquid Cooling (for water). P _{d(max)} can be increased by the factor 3 to 15 Option OT-1µ Switch on-time 1µs Option OT-1µ Switch on-time 1µs FOR FURTHER PRODUCT OPTIONS PLEASE REFER TO THE OPTIONS PAGE.							*	e output pulse r	olaritv			r			
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Option OT-1µ Switch on-time 1µS FOR FURTHER PRODUCT OPTIONS PLEASE REFER TO THE OPTIONS PAGE.	NIZ					otion HFS High Frequency Switching (two auxiliary supply inputs V1 & V2) Or				ption SPT-C					
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FOR FURTHER PRODUCT OPTIONS PLEASE REFER TO THE OPTIONS PAGE.	0								paon DEC	Direct Liquia Cooling (UI FREIPFUJ. Pd(max) can be increased b	y ine ractor 10			
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	Custo	mized switching units a	re available on re	equest. All data and s	pecifications s								Revision 24-01-2019 ©2017 All	rights reserved	