ROHS COMPLIANT N

Reinforced USB3FTV Memory Keys
Derived from MIL-DTL-38999 series III specification • Capacities 16, 32 & 64 GB

We provide reinforced USB memory keys available in different capacities. They can be used ONLY with our Amphenol Socapex USBFTV or USB3FTV series receptacles. When mated on the receptacle, the system is IP68 and allows data transmission in harsh environments.

Environmental protection
■ Sealing: IP68 (when mated)
■ Salt spray: 48 h with nickel plating (ROHS)
          > 500 h with olive drab cadmium
■ Vibrations: MIL-STD-810G method 514.5 fig 514.5.C cat 14
■ Temperature range: - 40°C / +85°C (MIL-STD-810F)
■ Data transmission during vibration & temperature tests

IMPORTANT NOTE
USBFTV memory key to be used
with USBFTV receptacles (3.0 and 2.0)
▶ *see page 86 for 3.0 & page 97 for 2.0*

Other features
■ Type: USB3.0 (capacities 16, 32 & 64 GB)
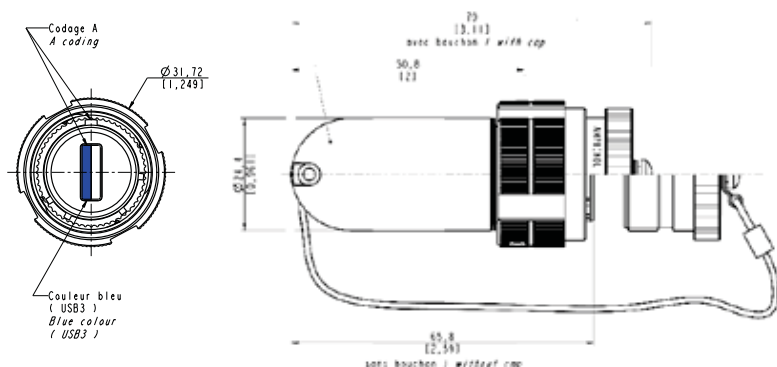■ Voltage: 5V DC - 500 mA max

NEW

Specific features
■ Engineering control (Product Change Notice & End of life Policy)
■ Memory type: MLC (3000 read/write cycles)
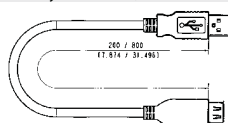■ Wear Leveling function*
■ MTBF: 1,000,000 hours

Interface	Super-speed USB3.0 compliant; backward compatible with USB2.0 and USB1.1		
		16GB	32GB	64GB
Speed performance**	Read (MB/s)	200	205	200
	Write (MB/s)	47	85	80

Power consumption**: Active: 265 mA / Idle: 70mA

** *Results may vary from flash configurations or host system settings.*

Codage A / A coding

Ø 31,72 [1,249]

Couleur bleu (USB3) / Blue colour (USB3)

Memory size **for 16, 32 & 64 GB capacities**

A male/Femelle USB cordset is included with each memory key

Custom design
Amphenol can also study the integration of electronic selected by a customer. In order to do so, we need to receive a sample of the USB memory stick so we can study its integration into our existing design or adapt it.
Please send your requests to contact@usbfield.com

Note: our rugged memory keys are sold under standard electronic manufacturer configuration for data storage. If, for your own usage, you need to re-configurate the electronic (under Linux for example), it will be under customer responsibility. Amphenol is not responsible for any wrong doing or misguided use of the product by its customers.
Under request, we can provide you with electronic manufacturer details so you can check if their specific configuration will work with the electronic (please specify memory capacity).

***Wear-Leveling**: Flash memory can be erased a limited number of times. In a typical application, and especially if a file system is used, specific pages are constantly updated (e.g., the page that contains the FAT, registry, etc.). Without any special handling, these pages would wear out more rapidly than other pages, reducing the lifetime of the entire flash. To overcome this inherent deficiency, USB-Disk Module (UDM) uses wear-leveling algorithm. This wear-leveling algorithm ensures that consecutive writes of a specific sector are not written physically to the same page in the flash. This distributes flash media usage evenly across all pages, thereby maximizing flash lifetime. The wear-leveling mechanism provides write/erase cycles for reliable data storage over an extended period.*

Definition of part number

USB3FTV KEY 6	A	64	N	CAP	APA
For USB3.0 version	**Coding position:**	**Capacity for USB3FTV KEY:**	**Plating**	**CAP**: with cap	
	A: coding A	16 / 32 / 64	**N**: nickel	**Blank**: without cap	
	B: coding B		**G**: olive drab cadmium		
Nota: USB3.0 is compatible with USB2.0	⚠ Coding position must be the same than the receptacle	**Nota**: other capacity, please consult us at **contact@usbfield.com**	**Nota**: please check the plating of your USBFTV receptacle.		

Example: - USB3.0 version, coding B, capacity of 64GB, olive drab cadmium plating, with cap: p/n is **USB3FTVKEY6 B 64 G CAP APA**

Amphenol

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