



FISCHER RUGGED FLASH DRIVE

SAFE DATA STORAGE & TRANSPORTATION IN HARSH ENVIRONMENTS

UP TO **100** MB/s

UP TO **128** GB

- IP68/IP69, -120m/24h
- Shock and vibration resistant
- Protective cap



THE RELIABLE EXPERT

fischer[®]
CONNECTORS

KEY FEATURES

SAFE STORAGE

- IP68/IP69 sealed even unmated
- Resistant to extreme temperatures
- Shock and vibration resistant



SECURE ACCESS

- Unique circular connector interface
- High-speed data transfer
- Up to 128GB capacity



PORTABLE

- Lightweight
- Miniature unbreakable design
- Built-in lanyard hole



MODULAR DESIGN

- Available in UltiMate and MiniMax versions
- Large selection of body styles, sizes and contact configurations
- Custom configurations available



AVAILABLE CONFIGURATIONS

Connector interface				Memory size				USB type		Typical maximum speed		Protective soft cap
Type	Locking									Write	Read	
UltiMate size 08	Push-pull	Quick-release	-	4 GB	32 GB	-	-	USB 2.0	-	8 MB/s	20 MB/s	Yes
UltiMate size 07	Push-pull	Quick-release	-	-	32 GB	64 GB	128 GB	USB 2.0	-	30 MB/s	30 MB/s	Yes
MiniMax size 08	Push-pull	-	Screw	-	32 GB	64 GB	128 GB	-	USB 3.0	55 MB/s	100 MB/s	Yes

Body styles (actual size 1:1) ^{a)}	Designation	Part No.
UltiMate size 08 	FD USB2-004 UP01L08 M004 BK1 ^{b)}	119697
	FD USB2-004 UP01Q08 M004 BK1	127143
	FD USB2-032 UP01L08 M004 BK1	121624
	FD USB2-032 UP01Q08 M004 BK1	129656
UltiMate size 07 	FD USB3-032 UP01L07 M010 BK1	129476
	FD USB3-032 UP01Q07 M010 BK1	129478
	FD USB3-064 UP01L07 M010 BK1	129654
	FD USB3-064 UP01Q07 M010 BK1	129655
	FD USB3-128 UP01L07 M010 BK1	129477
	FD USB3-128 UP01Q07 M010 BK1	129479
MiniMax size 08 	FD USB3-032 MP11L08 H009 AN1	132788
	FD USB3-032 MP11S08 H009 AN1	132789
	FD USB3-064 MP11L08 H009 AN1	132790
	FD USB3-064 MP11S08 H009 AN1	132791
	FD USB3-128 MP11L08 H009 AN1	132792
	FD USB3-128 MP11S08 H009 AN1	132793

Other configurations available upon request, please contact your Fischer Connectors sales representative. Specifications and pricing may vary depending on supply. Please check your order confirmation.

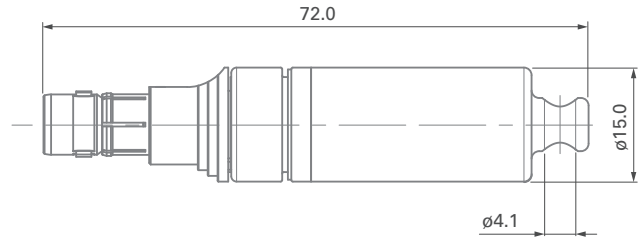
^{a)} Images of available body styles are on 1:1 scale when printed full size on A4 paper.

^{b)} The Fischer Rugged Flash Drive for the Bosch Motorsport application needs to be purchased via the Bosch Authorized Dealer Network.

TECHNICAL DIMENSIONS

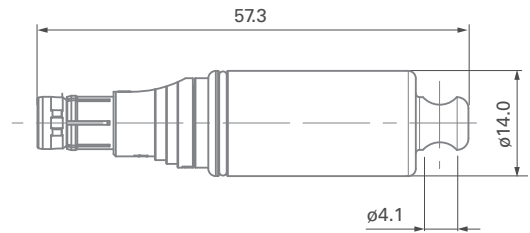
ULTIMATE SIZE 08

BODY STYLE



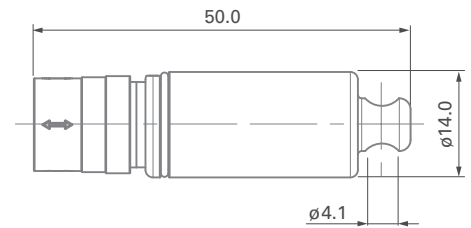
ULTIMATE SIZE 07

BODY STYLE



MINIMAX SIZE 08

BODY STYLE



SOFT CAPS



Every Fischer Rugged Flash Drive comes with a protective soft cap.

ACCESSORIES



Optional adaptor for connecting the Fischer Rugged Flash Drive to a standard USB port.

	Part No.
UltiMate size 08 (Push-pull, Quick-release)	119702
UltiMate size 07 (Push-pull, Quick-release)	129574
MiniMax size 08 Push-pull	132737
MiniMax size 08 Screw-lock	132739

COMPATIBLE INTERFACES

	UltiMate						MiniMax			
	UR01		UR02		UR03		MR11-L		MR11-S	
	Designation	Part No.	Designation	Part No.	Designation	Part No.	Designation	Part No.	Designation	Part No.
Size 07	UR01W07 F010S BK1 E2AB	125890	UR02W07 F010S BK1 E2AB	121808	UR03W07 F010S BK1 E2NB	125078	-	-	-	-
Size 08	UR01W08 F004S BK1 E1AB	119663	UR02W08 F004S BK1 E1AB	125490	UR03W08 F004S BK1 E1NB	124932	MR11WL08 0009 AN1 E1AP	132907	MR11WS08 0009 AN1 E1AP	132910

Examples of compatible brass receptacles with solder interface.

Other variants available, please contact your Fischer Connectors sales representative.

All dimensions and images shown are in millimeters and are for reference only.

TECHNICAL DATA

CONTACT CONFIGURATIONS*

USB signal	UltiMate 08 Pin number	UltiMate 07 Pin number	MiniMax 08 Pin number
VCC (power)	2 ¹⁾	2 ¹⁾	4 ¹⁾
D-	1	10	1
D+	4	3	3
GND	3 ¹⁾	1 ¹⁾	9 ¹⁾
SSRX- (SDP1-)			8
SSRX+ (SDP1+)			7
GND_DRAIN			2
SSTX- (SDP2-)			6
SSTX+ (SDP2+)			5

¹⁾ First mate last break contacts.
SDP = Shielded Differential Pair (used for USB 3.0)



ENVIRONMENTAL & MECHANICAL DATA*

Characteristic	Value	Standard
Sealing performance mated and unmated	IP68/IP69, 120m submersion for 24 hours	IEC 60529
Operating temperature	-40°C to +85°C	IEC 60512-6-1; IEC 60068-2-14-Nb
Corrosion resistance	Salt mist, 1,000 hours ²⁾ , 5% salt solution, 35°C	IEC 60068-2-11 Test Ka MIL-STD-202 Method 101 Condition A
Endurance	UltiMate	10,000 mating cycles
	MiniMax	5,000 mating cycles
Weight	UltiMate size 08	42g
	UltiMate size 07	27g
	MiniMax size 08	27g

²⁾ Preserved mechanical and electrical functionalities.

MATERIAL & SURFACE TREATMENTS*

Metal parts	Material		Finish	
	ISO Designation	Standard	Designation	Standard
Casing housing	Brass CuZn39Pb3	CW614N UNS C 38500	Anthracite Nickel	SAE-AMS-QQ-N-290B SAE-AMS 2404 G

*For more detailed information on the plug interface, please refer to UltiMate and MiniMax Technical Specifications.



For more information visit
www.fischerconnectors.com/ruggedflashdrive