



# FISCHER RUGGED FLASH DRIVE

## SAFE DATA STORAGE & TRANSPORTATION IN HARSH ENVIRONMENTS

UP TO **100** MB/s

UP TO **128** GB

- IP68/IP69, 120 m/24 hours
- Shock and vibration resistant
- Activity LED
- Protective cap



THE RELIABLE EXPERT

**fischer**<sup>®</sup>  
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	
<b>UltiMate size 08</b>	Push-pull	Quick-release	-	4 GB	32 GB	-	-	USB 2.0	-	8 MB/s	20 MB/s	Yes
<b>UltiMate size 07</b>	Push-pull	Quick-release	-	-	32 GB	64 GB	128 GB	USB 2.0	-	30 MB/s	30 MB/s	Yes
<b>MiniMax size 08</b>	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) <sup>a)</sup>	Designation	Part No.
<b>UltiMate size 08</b> 	FD USB2-004 UP01L08 M004 BK1 <sup>b)</sup>	119697
	FD USB2-004 UP01Q08 M004 BK1	127143
	FD USB2-032 UP01L08 M004 BK1	121624
	FD USB2-032 UP01Q08 M004 BK1	129656
<b>UltiMate size 07</b> 	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
<b>MiniMax size 08</b> 	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.

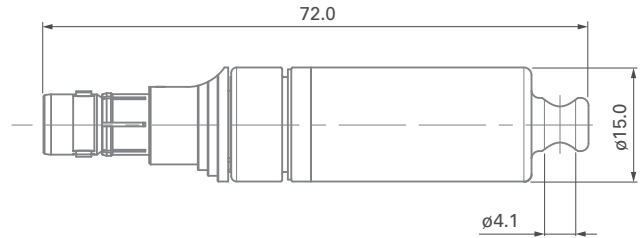
<sup>a)</sup> Images of available body styles are on 1:1 scale when printed full size on A4 paper.

<sup>b)</sup> The Fischer Rugged Flash Drive for the Bosch Motorsport application needs to be purchased via the Bosch Authorized Dealer Network.

# TECHNICAL DIMENSIONS

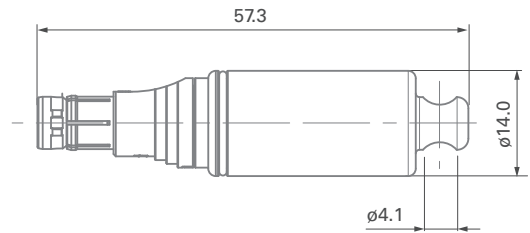
## ULTIMATE SIZE 08

BODY STYLE



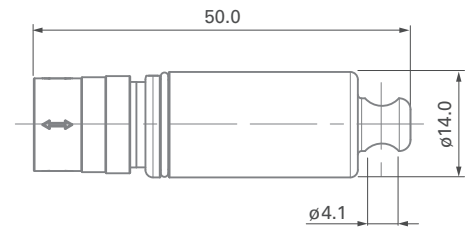
## ULTIMATE SIZE 07

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	
	<b>Designation</b>	<b>Part No.</b>	<b>Designation</b>	<b>Part No.</b>	<b>Designation</b>	<b>Part No.</b>	<b>Designation</b>	<b>Part No.</b>	<b>Designation</b>	<b>Part No.</b>
<b>Size 07</b>	UR01W07 F010S BK1 E2AB	125890	UR02W07 F010S BK1 E2AB	121808	UR03W07 F010S BK1 E2NB	125078	-	-	-	-
<b>Size 08</b>	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
1	VCC (power)	2 <sup>1)</sup>	2 <sup>1)</sup>	9 <sup>1)</sup>
2	D-	1	10	5
3	D+	4	3	7
4	GND	3 <sup>1)</sup>	1 <sup>1)</sup>	15 <sup>1)</sup>
5	SSRX- (SDP1-)			17
6	SSRX+ (SDP1+)			19
7	GND_DRAIN			12 and 18
8	SSTX- (SDP2-)			11
9	SSTX+ (SDP2+)			13

<sup>1)</sup> 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 <sup>2)</sup> , 5% salt solution, 35°C	IEC 60068-2-11 Test Ka MIL-STD-202 Method 101 Condition A
Endurance	UltiMate	10,000 mating cycles	IEC 60512-5-1
	MiniMax	5,000 mating cycles	
Weight	UltiMate size 08	42g	
	UltiMate size 07	27g	
	MiniMax size 08	27g	

<sup>2)</sup> 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](http://www.fischerconnectors.com/ruggedflashdrive)