



# FISCHER RUGGED FLASH DRIVE

## SAFE DATA STORAGE & TRANSPORTATION IN HARSH ENVIRONMENTS

UP TO **100** MB/s

UP TO **128** GB

- IP68/IP69, 120m/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
- Extreme temperature resistant
- Shock and vibration resistant



## SECURE ACCESS

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



## PORTABLE

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



## 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				Memory type		Typical maximum speed		Activity LED	Protective soft cap
Type	Locking									Write	Read		
UltiMate size 08	Push-pull	Quick-release	-	4GB	32GB	-	-	USB 2.0	-	8 MB/s	20 MB/s	No	Yes
UltiMate size 07	Push-pull	Quick-release	-	-	32GB	64GB	128GB	-	USB 3.0	30 MB/s	30 MB/s	Yes	Yes
MiniMax size 08	Push-pull	-	Screw	-	32GB	64GB	128GB	-	USB 3.0	55 MB/s	100 MB/s	Yes	Yes

Body styles (actual size 1:1)*	Designation	Art. Nr.
<b>UltiMate size 08</b> 	FD USB2-004 UP01L08 M004 BK1	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 H019 BK1	129167
	FD USB3-032 MP11S08 H019 BK1	129472
	FD USB3-064 MP11L08 H019 BK1	129652
	FD USB3-064 MP11S08 H019 BK1	129653
	FD USB3-128 MP11L08 H019 BK1	129471
	FD USB3-128 MP11S08 H019 BK1	129473

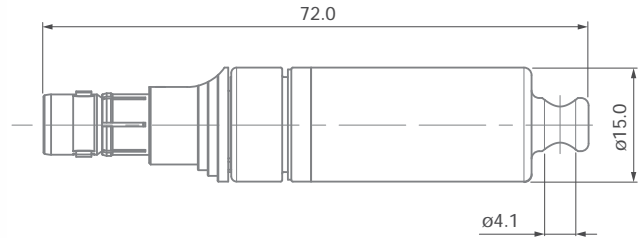
Other configurations available upon request, please contact your Fischer Connectors sales representative.

\*Images of available body styles are on 1:1 scale when printed full size on A4 paper.

# TECHNICAL DIMENSIONS

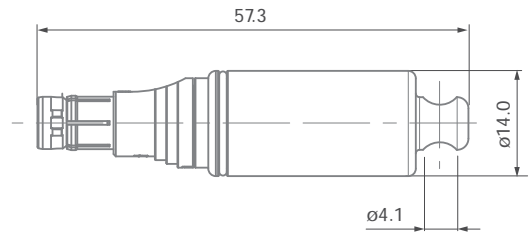
## ULTIMATE SIZE 08

BODY STYLE



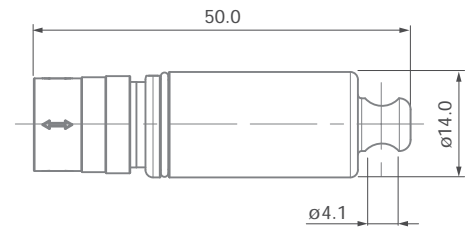
## ULTIMATE SIZE 07

BODY STYLE



## MINIMAX SIZE 08

BODY STYLE



## SOFT CAPS



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

## ACCESSORY



Optional adaptor for connecting the Fischer Rugged Flash Drive to your computer's USB port.

	Art.Nr
UltiMate size 08 (Push-pull, Quick-release)	119702
UltiMate size 07 (Push-pull, Quick-release)	129574
MiniMax size 08 Push-pull	129570
MiniMax size 08 Screw-lock	129571

## COMPATIBLE INTERFACE

	UltiMate						MiniMax			
	UR01		UR02		UR03		MR11-L		MR11-S	
	Designation	Art.Nr	Designation	Art.Nr	Designation	Art.Nr	Designation	Art.Nr	Designation	Art.Nr
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 0019 BK1 E1AS	126103	MR11WS08 0019 BK1 E1AS	126148

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-)		(not used)	17
6	SSRX+ (SDP1+)		(not used)	19
7	GND_DRAIN		(not used)	12 and 18
8	SSTX- (SDP2-)		(not used)	11
9	SSTX+ (SDP2+)		(not used)	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 range		-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)