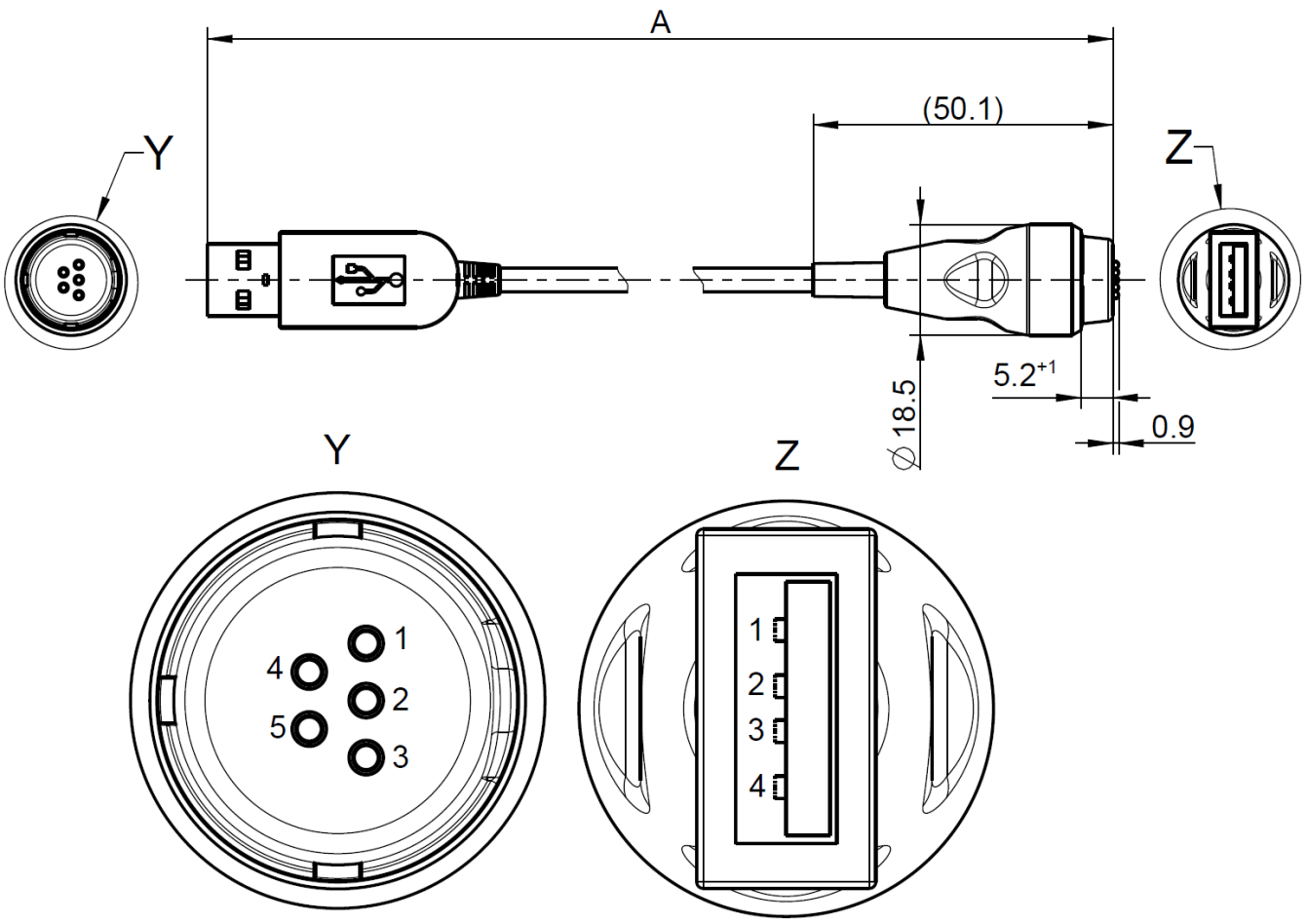
Technical Data Sheet		Rosenberger
MF	CABLE ASSEMBLY	**L99-838-XXX**



USB A jack			Magnetic Connector	
Pin	name	cable color	description	Pin
1	VBUS	Red	+5V	2
2	D-	White	Data-	5
3	D+	Green	Data+	3
4	GND	Black	Signal Ground	4
shell	-	-	-	1

All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to: MF2K201-400L
USB Standard-A

Flammability

Connector parts	**Category**
Insulator	material acc. to UL94 V-0
Assembly parts	material acc. to UL94 V-1/V-2

Rosenberger Hochfrequenztechnik GmbH & Co. KG
P.O.Box 1260 D-84526 Tittmoning Germany
www.rosenberger.de

Tel. : +49 8684 18-0
Fax : +49 8684 18-499
Email : info@rosenberger.de

Material and plating

Connector parts (MF)	**Material**	**Plating / Colour**
Insulator	PBT GF30	black
Housing	PBT GF30	black
Housing insert	PA	black
Piston	Brass	min 0,25 µm Au over 2,5 µm Ni
Ferrule	Brass	min 0,25 µm Au over 2,5 µm Ni
Spring	Stainless steel	
Tension relief	TPE	black
Magnet	NdFeB N52	Ni
Silicone Tube	Silicone	

Connectors

USB	plug type A

Electrical data

According to	USB 2.0
Peak current	500mA

Mechanical data

Mating cycles	min. 10.000
Disengagement force	> 10 N Force measured during vertical disengagement with counter connector
Magnetic pole	north to interface

Environmental data

Temperature range	-25°C to +75°C
RoHS	compliant

Suitable cables

USB 2.0 Standard cable

Available versions

Type	Length A [mm]	pieces per box	g/piece
L99-838-500	500 +80/-80	100	25
L99-838-1500	1500 +80/-80	200	54
L99-838-1800	1800 +80/-80	200	62

Packing

Single packing	1 pcs per box

Caution

„The magnetic field of the assembled magnets is very strong. These magnets can particularly impact the function of cardiac pacemakers, implanted cardioverter-defibrillators (e.g. by unintentional actuation of reed switch), hearing aids, data storage media, monitors, and debit- and credit cards. Therefore keep sufficient safety distance from such or similar devices to prevent malfunction and danger to health. In case of any further questions please contact our customer service center."

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