

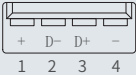
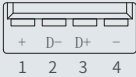
DATA CONNECTORS AND CABLES

USB connector

Prefabricated cables, IP20 / IP67



Class A USB connector, IP20



Technical parameters

Transmission characteristics (Category)		Class A USB connector, IP20	Class A USB connector, IP67
Cable diameter	[mm]	6.7	6.7
Shell material		PA	PA
Handle color		black	Grey
Number of cores		4	4
Protection grade		IP20	IP67
Temperature parameter			
Cable, fixed installation	[°C]	-20 ... 60	-20 ... 60
Cable, movable installation	[°C]	0 ... 50	0 ... 50

Order data

			Model	Order Number
1m	WL-IP20SDA-OE-USB/L0010	3345100010	WL-IP67SDA-OE-USB/L0010	3345200010
2m	WL-IP20SDA-OE-USB/L0020	3345100020	WL-IP67SDA-OE-USB/L0020	3345200020
5m	WL-IP20SDA-OE-USB/L0050	3345100050	WL-IP67SDA-OE-USB/L0050	3345200050
10m	WL-IP20SDA-OE-USB/L0100	3345100100	WL-IP67SDA-OE-USB/L0100	3345200100
15m	WL-IP20SDA-OE-USB/L0150	3345100150	WL-IP67SDA-OE-USB/L0150	3345200150
20m	WL-IP20SDA-OE-USB/L0200	3345100200	WL-IP67SDA-OE-USB/L0200	3345200200
Customizable	WL-IP20SDA-OE-USB/L0000	3345100000	WL-IP67SDA-OE-USB/L0000	3345200000

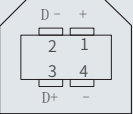
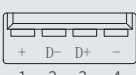
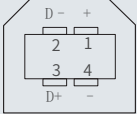
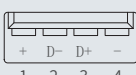
Signal Indication, Line Allocation

USB	Core wire color	Signal	USB	Core wire color	Signal
2	White and orange	D-	2	White and orange	D-
1	white	VblueS	1	white	VblueS
3	orange	D+	3	orange	D+
	n.c.	ID		n.c.	ID
4	black	GND	4	black	GND

DATA CONNECTORS AND CABLES

USB connector

Prefabricated cables, IP20 / IP67



Technical parameters

Transmission characteristics (Category)		Class A USB connector, IP20	Class A USB connector, IP67
Cable diameter	[mm]	6.7	6.7
Shell material		PA	PA
Handle color		black	Grey
Number of cores		4	4
Protection grade		IP20	IP67
Temperature parameter			
Cable, fixed installation	[°C]	-20 ... 60	-20 ... 60
Cable, movable installation	[°C]	0 ... 50	0 ... 50

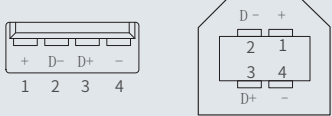
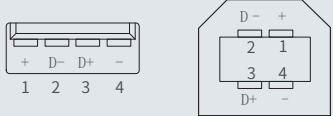
Order data

			Model	Order Number
1m	WL-IP20SDA-IP20SDB-USB/L0010	3345130010	WL-IP67SDA-IP20SDB-USB/L0010	3345230010
2m	WL-IP20SDA-IP20SDB-USB/L0020	3345130020	WL-IP67SDA-IP20SDB-USB/L0020	3345230020
5m	WL-IP20SDA-IP20SDB-USB/L0050	3345130050	WL-IP67SDA-IP20SDB-USB/L0050	3345230050
10m	WL-IP20SDA-IP20SDB-USB/L0100	3345130100	WL-IP67SDA-IP20SDB-USB/L0100	3345230100
15m	WL-IP20SDA-IP20SDB-USB/L0150	3345130150	WL-IP67SDA-IP20SDB-USB/L0150	3345230150
20m	WL-IP20SDA-IP20SDB-USB/L0200	3345130200	WL-IP67SDA-IP20SDB-USB/L0200	3345230200
Customizable	WL-IP20SDA-IP20SDB-USB/L0000	3345130000	WL-IP67SDA-IP20SDB-USB/L0000	3345230000

Signal Indication, Line Allocation

USB	Core wire color	Signal	USB	Core wire color	Signal	USB
2	White and orange	D-	2	White and orange	D-	2
1	white	VblueS	1	white	VblueS	1
3	orange	D+	3	orange	D+	3
	n.c.	ID		n.c.	ID	
4	black	GND	4	black	GND	4

Prefabricated cables, IP20 / IP67



Technical parameters

Transmission characteristics (Category)		Class A USB connector, IP20	Class A USB connector, IP67	Class A USB connector, IP67
USB 2.0		USB 2.0	USB 2.0	USB 2.0
Cable diameter	[mm]	6.7	6.7	6.7
Shell material		PA	PA	PA
Handle color		black	Grey	Grey
Number of cores		4	4	4
Protection grade		IP20	IP67	IP67
Temperature parameter				
Cable, fixed installation	[°C]	-20 ... 60	-20 ... 60	-20 ... 60
Cable, movable installation	[°C]	0 ... 50	0 ... 50	0 ... 50

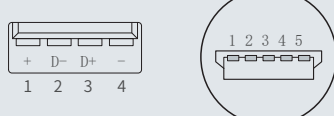
Order data

	Model	Order Number	Model	Order Number
1m	WL-IP20SDA-IP67SDB-USB/L0010	3345140010	WL-IP67SDA-IP67SDB-USB/L0010	3345240010
2m	WL-IP20SDA-IP67SDB-USB/L0020	3345140020	WL-IP67SDA-IP67SDB-USB/L0020	3345240020
5m	WL-IP20SDA-IP67SDB-USB/L0050	3345140050	WL-IP67SDA-IP67SDB-USB/L0050	3345240050
10m	WL-IP20SDA-IP67SDB-USB/L0100	3345140100	WL-IP67SDA-IP67SDB-USB/L0100	3345240100
15m	WL-IP20SDA-IP67SDB-USB/L0150	3345140150	WL-IP67SDA-IP67SDB-USB/L0150	3345240150
20m	WL-IP20SDA-IP67SDB-USB/L0200	3345140200	WL-IP67SDA-IP67SDB-USB/L0200	3345240200
Customizable	WL-IP20SDA-IP67SDB-USB/L0000	3345140000	WL-IP67SDA-IP67SDB-USB/L0000	3345240000

Signal Indication, Line Allocation

USB	Core wire color	Signal	USB
2	White and orange	D-	2
1	white	VblueS	1
3	orange	D+	3
	n.c.	ID	
4	black	GND	4

USB	Core wire color	Signal	USB
2	White and orange	D-	2
1	white	VblueS	1
3	orange	D+	3
	n.c.	ID	
4	black	GND	4



Technical parameters

Transmission characteristics (Category)		Class A USB connector, IP67	M12 Mini , IP20
USB 2.0		USB 2.0	USB 2.0
Cable diameter	[mm]	6.7	6.7
Shell material		PA	PA
Handle color		black	black
Number of cores		4	4
Protection grade		IP20	IP20
Temperature parameter			
Cable, fixed installation	[°C]	-20 ... 60	-20 ... 60
Cable, movable installation	[°C]	0 ... 50	0 ... 50

Order data

	Model	Order Number
1m	WL-IP20SDA-FSDB-USB/L0010	3345150010
2m	WL-IP20SDA-FSDB-USB/L0020	3345150020
5m	WL-IP20SDA-FSDB-USB/L0050	3345150050
10m	WL-IP20SDA-FSDB-USB/L0100	3345150100
15m	WL-IP20SDA-FSDB-USB/L0150	3345150150
20m	WL-IP20SDA-FSDB-USB/L0200	3345150200
Customizable	WL-IP20SDA-FSDB-USB/L0000	3345150000

Signal Indication, Line Allocation

USB	Core wire color	Signal	M12mini-USB
2	White and orange	D-	2
1	white	VblueS	1
3	orange	D+	3
	n.c.	ID	4
4	black	GND	5