



Plug connectors and cables
Plug connectors and cables / Connection cable
(male connector-female connector)

STL-2312-GM35AA3



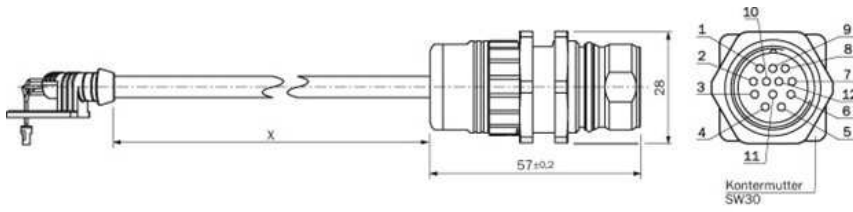
Model Name > [STL-2312-GM35AA3](#)
Part No. > [2061621](#)



Technical data

Accessory group:	Plug connectors and cables
Accessory family:	Connection cables with female connector and male connector
Connection type head A:	Male connector, M23, 12-pin, straight
Connection type head B:	Female connector, JST, 8-pin, straight
Locking nut material:	Zinc die-cast, nickel-plated
Cable diameter:	Ø 5.6 mm
Conductor cross-section:	4 x 2 x 0.15 mm ²
Shielding:	Shielded
Status LED:	-
Special feature:	Drag chain use
Signal type:	Incremental
Ambient operating temperature:	-20 °C ... +130 °C
Enclosure rating:	(M23) IP 66/IP 67
Cable:	0.35 m, 8-pole
Jacket material:	PUR, halogen-free

Dimensional drawing



PIN assignment

PIN	Signal TTL, HTL	Signal sine 1.0 V _{pp}	Color of wires
1	B̄	SIN-	Black
2	Not connected	Not connected	
3	Z	Z	Lilac
4	Z̄	Z̄	Yellow
5	A	COS+	White
6	Ā	COS-	Brown
7	Not connected	Not connected	
8	B	SIN+	Pink
9	Not connected	Not connected	
10	GND	GND	Blue
11	Not connected	Not connected	
12	U _s	U _s	Red
Shield	Shield ¹⁾	Shield ¹⁾	

Attention!

The flexible wires twisted in pairs must be assigned in accordance with the signals.

White/Brown = A/Ā oder COS+/COS-
 Lilac/Yellow = Z/Z̄
 Pink/Black = B/B̄ oder SIN+/SIN-
 Red/Blue = preferably U_s and GND

¹⁾ Shield connected to housing on side of encoder, connected to ground on side of control.

Attention! In combination with the electrical interfaces A, C, E and P only.

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