

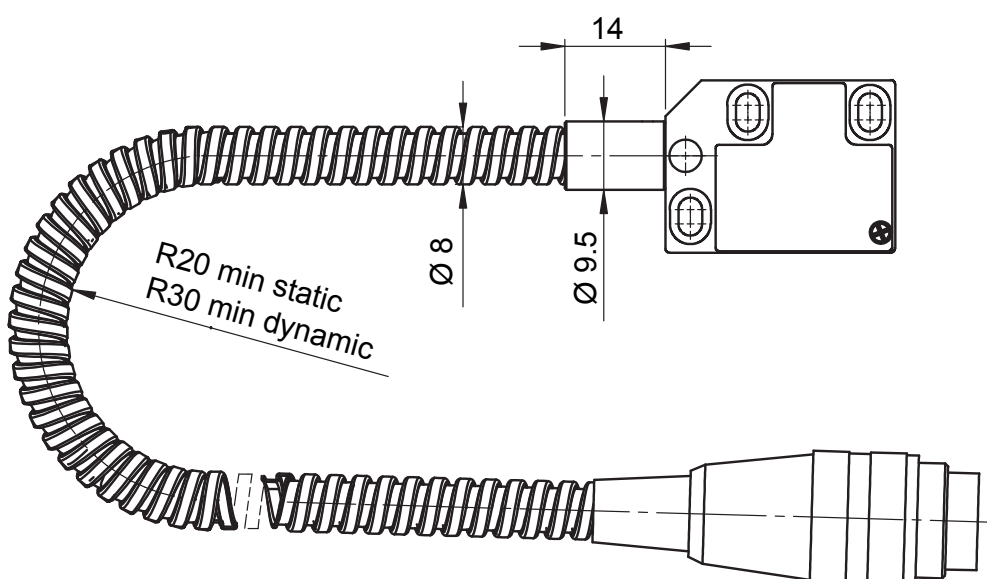
LM10/15 special option 40: cable with stainless-steel protection tube



- Maximum cable length 30 m
- Available with all standard output types
- Available with all standard connectors
- Excellent cable protection, specially for harsh environment (machine tools, mining equipment etc.)
- Cable protection tube proved at more than 2 million strokes at minimum bend radius
- Excellent dirt immunity to IP68
- For details refer to LM10 or LM15 data sheets

Dimensions and connections

Dimensions in mm.



Ordering code



LM10		IC	010	C	A	10	F	40
Output type								Special requirements
AS - Analogue voltage 1 V _{pp} , wide reference pulse, 5 V								40 - Protective stainless-steel tube for cable
AV - Analogue voltage, 1 V _{pp} , 5 V								4M - Protective stainless-steel tube for cable, cable length in meters
IA - Incremental Push-Pull outputs, 5 V – 30 V								
IB - Incremental, Open Collector NPN, 5 V – 30 V								
IC - Incremental, RS422, 5 V								
Resolution/interpolation factor								Connector option
For AV and AS : 000 - N/A								A - 9 pin D type plug
For IA , IB and IC :								D - 15 pin D type plug (for IC output type)
13B - 8192	09B - 512	020 - 100 (20 µm)						
12B - 4096	D50 - 500	D08 - 80						
11B - 2048	005 - 400 (5 µm)	06B - 64						
001 - 2000 (1 µm)	D32 - 320	050 - 40 (50 µm)						
1D6 - 1600	08B - 256	05B - 32						
10B - 1024	010 - 200 (10 µm)	04B - 16 (125 µm)						
002 - 1000 (2 µm)	D16 - 160	03B - 8 (250 µm)						
D80 - 800	07B - 128							
PRG - Programmable, preset to 1 µm (for IC only)								Cable length
								10 - 1.0 m (standard)
								(eg. 13 - 1.3 m cable and
								13 - 13 m cable if special option 4M is chosen)
Minimum edge separation								Reference
For AV and AS : A - N/A								A - With reference sensor ⁵
For IA , IB and IC :								B - No reference sensor ⁴
K - 0.07 µs (15 MHz) ¹								C - Periodic reference impulse as per scale pitch (every 2 mm) ⁴
A - 0.12 µs (8 MHz) ²								
B - 0.5 µs (2 MHz)								
C - 1 µs (1 MHz)								
D - 2 µs (0.5 MHz)								
E - 4 µs (0.25 MHz)								
F - 5 µs (0.2 MHz)								
G - 10 µs (0.1 MHz)								
H - 20 µs (0.05 MHz)								

1 Not available with 03B and 04B interpolation factors.
2 Default for **PRG** option; not available with 03B interpolation factor.
3 The **PRG** option comes with a plastic connector.
4 Not available with **AS** output type.
5 Not available with 03B interpolation factor.

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Document issues

Issue	Date	Page	Amendments done
1	4. 4. 2016	-	New document

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