



Intended use



This info card is to complement the data sheets.
Further information and contact addresses at www.ifm.com.

Wire colours

Abbrevia- tion	BK	BN	BU	GN	GY	RD	VT	YE	WH
Colour	Black	Brown	Blue	Green	Grey	Red	Violet	Yellow	White

Connection systems for MN7xxS

General

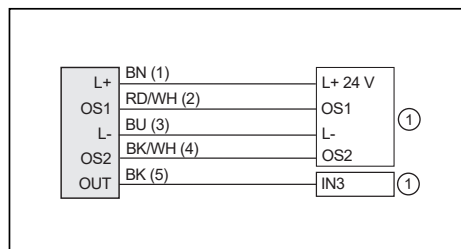


Fig. 1: Direct connection shown by the example of MN700S

1: External controller

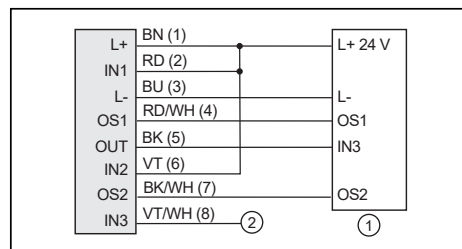


Fig. 2: Signal contact shown by the example of MN701S

1: External controller
2: Programming input for codable sensors

G150xS

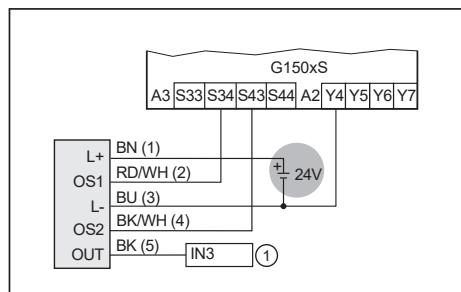


Fig. 3: Direct connection shown by the example of MN700S

1: External controller

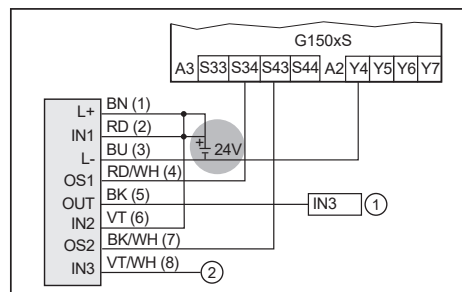


Fig. 4: Signal contact shown by the example of MN701S

1: External controller
2: Programming input for codable sensors

Series connection

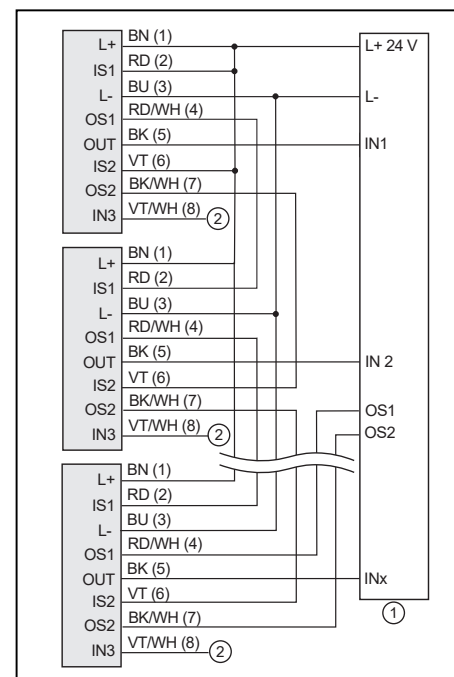


Fig. 5: General series connection to MN701S

1: External controller
2: Programming input for codable sensors



Up to 32 units can be connected in series with the safety integrity remaining at the same level.

Series connection



The following units can be connected in series:
MN701S, MN702S, MN704S, MN705S, MN707S, MN708S

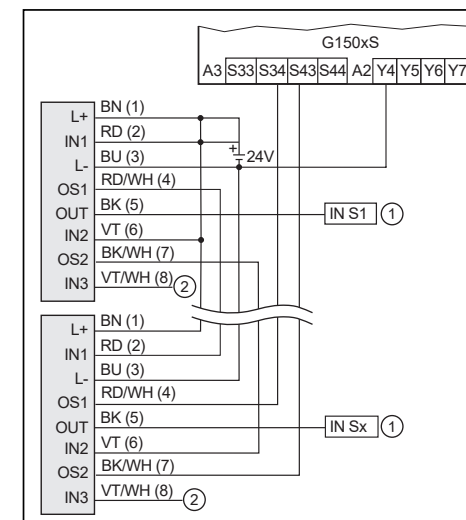
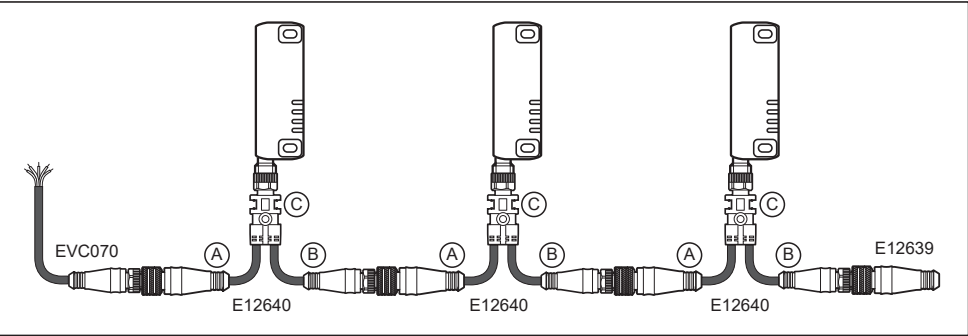


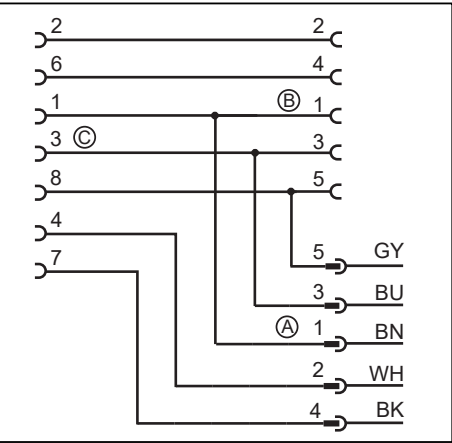
Fig. 6: Series connection G150xS to MN701S

1: External controller
2: Programming input for codable sensors

Example MN701S with E12640



Connection example with E12640



- 1: L+
- 2: OSSD1
- 3: L-
- 4: OSSD2
- 5: IN3

Approach curves

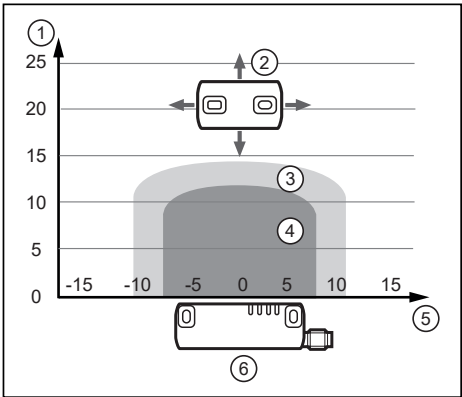


Fig. 7: Approach curve, frontal

- 1: Distance to the sensor [mm]
- 2: Target
- 3: Marginal area
- 4: Operating area
- 5: Active zone [mm]
- 6: RFID-coded safety sensor

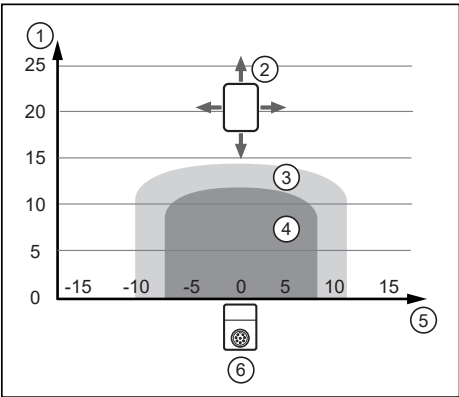
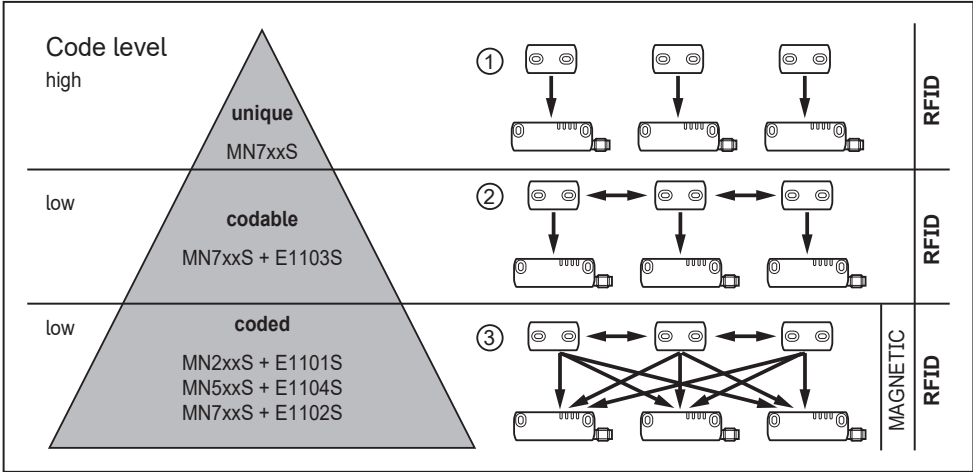


Fig. 8: Approach curve, lateral

- 1: Distance to the sensor [mm]
- 2: Target
- 3: Marginal area
- 4: Operating area
- 5: Active zone [mm]
- 6: RFID-coded safety sensor

Coding levels



- 1: Uniquely coded target (cannot be replaced)
- 2: Codable target (can be programmed to a sensor)
- 3: Coded target (is detected by all sensors of the same design)