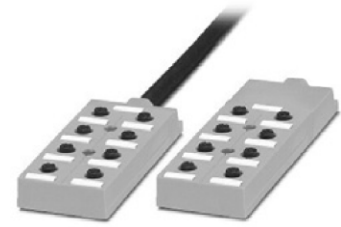
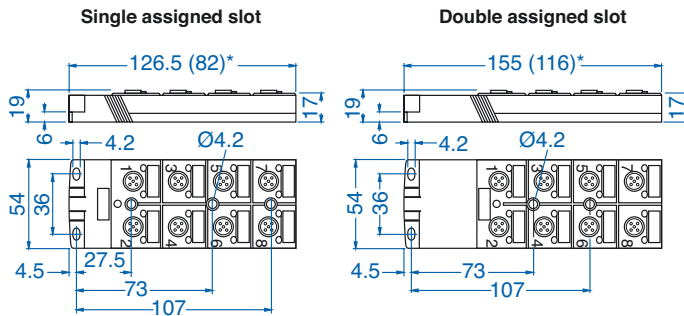


M12, Distribution Boxes With and Without Connected Master Cable



Type	Single Assigned Slot		Double Assigned Slot	
No. of Slots	4 Slot Box	8 Slot Box	4 Slot Box	8 Slot Box
Without Operation LED & Without Cable	KB4	KB8	KB4D	KB8D
With Operation LED & Without Cable	KB4P	KB8P	KB4DP	KB8DP
With Smal Master Cable	KB4C5	KB8C5	KB4DC5	KB8DC5
With Operation LED & 5m Master Cable	KB4PC5	KB8PC5	KB4DPC5	KB8DPC5

Dimensions (mm)

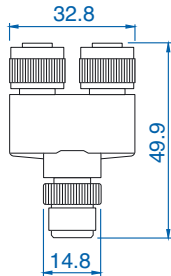


* The dimensions in brackets refer to 4 slot models

Accessories

The use of this accessory together with a double assigned slot distribution box permits to connection of two sensors with a contact configuration compatible with each available slot.

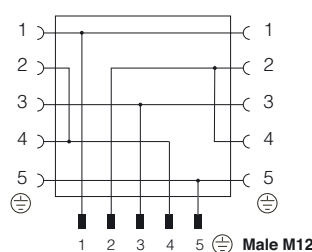
Code: KFMF



Male M12



1 Female M12



Female M12



3 poles (2+4 jumpered pins) +PE

Technical data

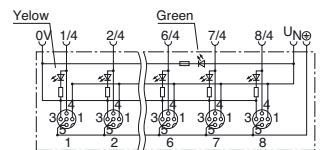
Nominal Voltage	120V AC / 120V DC
Maximum Permitted Operating Voltage	135V AC / 135V DC
Maximum Current Carrying Capacity per Channel	2A
Maximum Current Carrying Capacity per Slot	4A
SACB Total Current	12A
Ambient Temperature	-25°C up to +75°C

Wiring diagrams for single assigned slot boxes

Assignment diagram for single assigned slot boxes

Core color M12 connector/position (potential)	
WH	1 / 4 (A)
GN	2 / 4 (A)
YE	3 / 4 (A)
GY	4 / 4 (A)
PK	5 / 4 (A)
RD	6 / 4 (A)
BK	7 / 4 (A)
VT	8 / 4 (A)
BN	1-8 / (+24 V/120 V)
BU	1-8 / 3 (0 V)
GN / YE	1-8 / 5 (PE)

Circuit diagram for single assigned slot



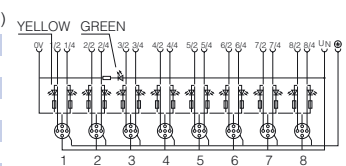
PINS ASSIGNMENT



Wiring diagrams for double assigned slot boxes

Assignment diagram for double assigned slot boxes

Core color M12 connector/position (potential)	
WH	1 / 4 (A)
GY / PK	1 / 2 (B)
GN	2 / 4 (A)
RD / BU	2 / 2 (B)
YE	3 / 4 (A)
WH / GN	3 / 2 (B)
GY	4 / 4 (A)
BN / GN	4 / 2 (B)
PK	5 / 4 (A)
WH / YE	5 / 2 (B)
RD	6 / 4 (A)
YE / BN	6 / 2 (B)
BK	7 / 4 (A)
WH / GY	7 / 2 (B)
VT	8 / 4 (A)
GY / BN	8 / 2 (B)
BN	1-8 / (+24 V/120 V)
BU	1-8 / 3 (0 V)
GN / YE	1-8 / 5 (PE)



PINS ASSIGNMENT



Material specifications

Housing Material (Color)	Polyamide 66 VO (Grey)
Contact Socked Carrier (Color)	Polyamide 66 VO (Black)
Sealing Compound (Color)	PUR (Grey)
Contact Material Specification	
- Live Parts	Copper alloy
- Surface Plating	Gold plated

Mouser Electronics

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