

ACCESSORIES

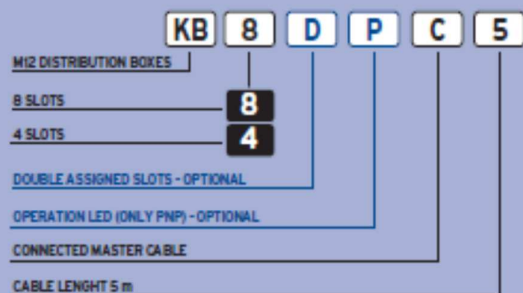
M12 DISTRIBUTION BOXES WITH CONNECTED MASTER CABLE



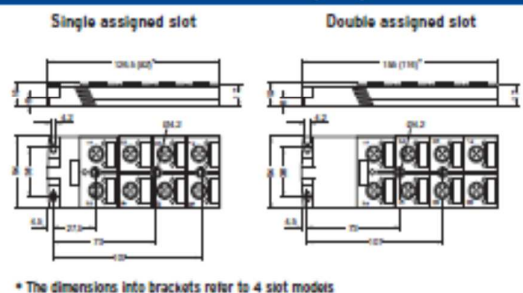
KB Series



M12 4 WIRES IDENTIFICATION CODE



DIMENSIONS (mm)



WIRING DIAGRAMS FOR SINGLE ASSIGNED SLOT BOXES

Assignment diagram for single assigned slot boxes

Core colour	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 / 3 (+24 V/120 V)
BU	1-8 / 3 (0 V)
GN / YE	1-8 / 5 (PE)

Circuit diagram for single assigned slot

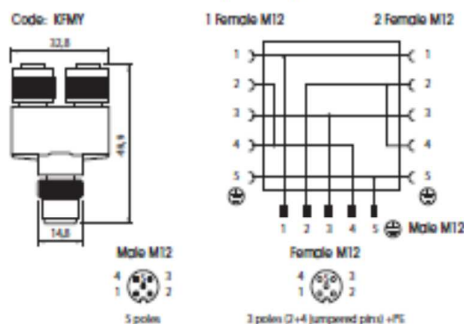


PINS ASSIGNMENT



ACCESSORIES

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



Note: the use of this accessory with a double assigned slots distribution box allows to connect two sensors, having the same and compatible contacts configuration, to each available slot.

WIRING DIAGRAMS FOR DOUBLE ASSIGNED SLOT BOXES

Assignment diagram for double assigned slot boxes

Core colour	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 / 3 (+24 V/120 V)
BU	1-8 / 3 (0 V)
GN / YE	1-8 / 5 (PE)

Circuit diagram for double assigned slot



PINS ASSIGNMENT



TECHNICAL DATA

NOMINAL VOLTAGE	120 V AC/120 V DC
MAXIMUM PERMITTED OPERATING VOLTAGE	135 V AC/135 V DC
MAXIMUM CURRENT CARRYING CAPACITY PER CHANNEL	2 A
MAXIMUM CURRENT CARRYING CAPACITY PER SLOT	4 A
SACB TOTAL CURRENT	12 A
AMBIENT TEMPERATURE	-25°C up to +75°C
VIBRATION TEST ACC. DIN EN 60068-2-61996-05	
BUMP TEST ACC. DIN EN 60068-2-291995-03 (IEC 68-2-297 WITH CONTACT MONITORING ACC. DIN IEC 60512-2-1994-05, TEST 2E	

MATERIAL SPECIFICATIONS

HOUSING MATERIAL (Colour)	Polyamide 66 VO (Grey)
CONTACT SOCKED CARRIER (Colour)	Polyamide 66 VO (Black)
SEALING COMPOUND (Colour)	PUR (Grey)
CONTACT MATERIAL SPECIFICATION	
- LIVE PARTS	Copper alloy
- SURFACE PLATING	Gold plated