

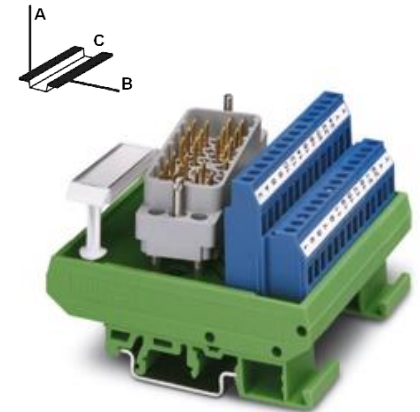
# RADIKOR ELCO INTERCONNECTION BOARD TYPE IBIS-EM56/24

## TYPE IBIS-EM56/24-LH/RHT

Vertical Interconnection Board applied for intrinsically safe signals for Elco system cable E56/54 with numerical coded screw terminals on the left side or when mounted upside down on the right side.

## TYPE IBIS-EM56/24-RH/LHT

Vertical Interconnection Board applied for intrinsically safe signals for Elco system cable E56/54 with numerical coded screw terminals on the right side or when mounted upside down on the left side.



## TECHNICAL SPECIFICATION

Max. voltage of one intrinsically safe circuit	<b>30 VDC</b>
Max. voltage between two intrinsically safe circuits	<b>60 VDC</b>
Max. current (per branch)	<b>0,5 A</b>
Ambient temperature range	<b>-20°C ... 50°C</b>
Mounting position	<b>Any</b>
Nominal operating mode	<b>100% duty cycle</b>
Assembly instructions	<b>For separation of intrinsically safe and non-intrinsically safe circuits a minimum distance of 50 mm between the connection points is required, e.g. by using separator plates or space.</b>
Dimensions A/B/C	<b>58,5 mm, 77 mm, 78,8 mm</b>
Clearance and creepage distances between depending intrinsically safe circuits depending on	<b>DIN EN 60079-11: 2012 (Table 5)</b>

## CONNECTION DATA

Connector	<b>X1</b>
Type of connection	<b>Elco series 8016/56 pluggable</b>
Number of positions	<b>25</b>
Connector	<b>X2 – X8</b>
Type of connection	<b>MKKDS screw connection</b>
Connection data solid mm <sup>2</sup> , stranded mm <sup>2</sup> , AWG	<b>0,2-4/0,2-2,5/24-12</b>

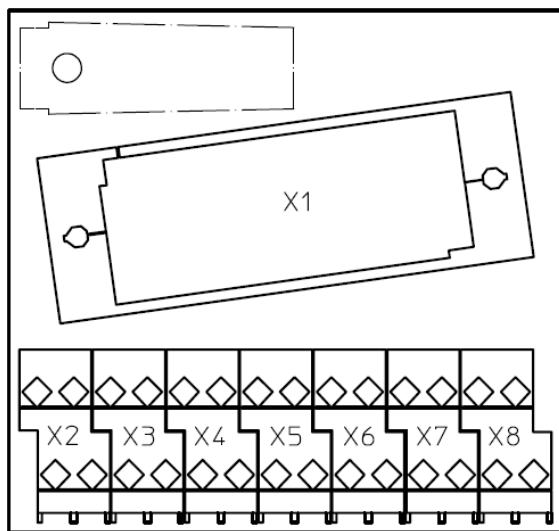
## ORDERING DATA

Type	Order number
IBIS-EM56/24-LH/RHT	99986
IBIS-EM56/24-RH/LHT	99987

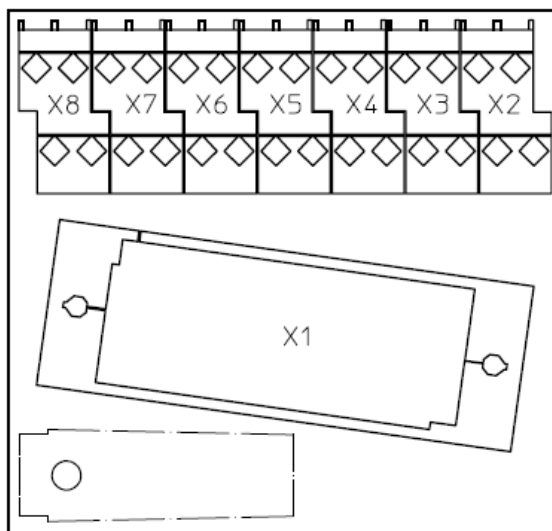
**INTERCONNECTION TABLE**

Numerical terminal	Connector pin
1	C
2	D
3	E
4	F
5	N
6	P
7	R
8	S
9	a
10	b
11	d
12	j
13	k

Numerical terminal	Connector pin
14	l
15	s
16	t
17	u
18	v
19	BB
20	CC
21	DD
22	EE
23	MM
24	NN
Y	Y



LH/RHT



LH/RHT