

# BALOGH



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**R/W head**  
**ERP 30/1**

## IDENTIFICATION SYSTEMS

### DESCRIPTION

When it is connected to a BALOGH control board, the ERP 30/1 transceiver enables:

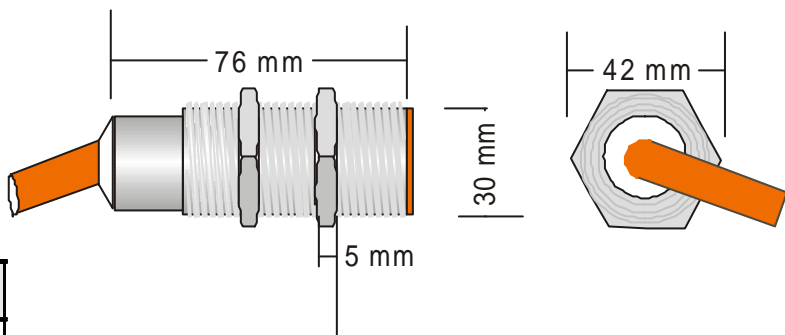
- to read/ write to the E#/116 tags (control board suffix: V),
- to read from the F#/32 tags (control board suffix: J).

It has a built-in air antenna (i.e. provides an omnidirectional field).

### DATA FOR ASSEMBLY

ERP 30/1 transceiver is fitted with a 0.85 m - long PUR shielded cable ending with a 5-pin M12 mobile connector; the overall length should not exceed 100 m.

**Warning:** do not multiplex ERP 30/1.



pin	assignment
1	+U power supply
2	output
3	input
4	0 V power supply
5	shield

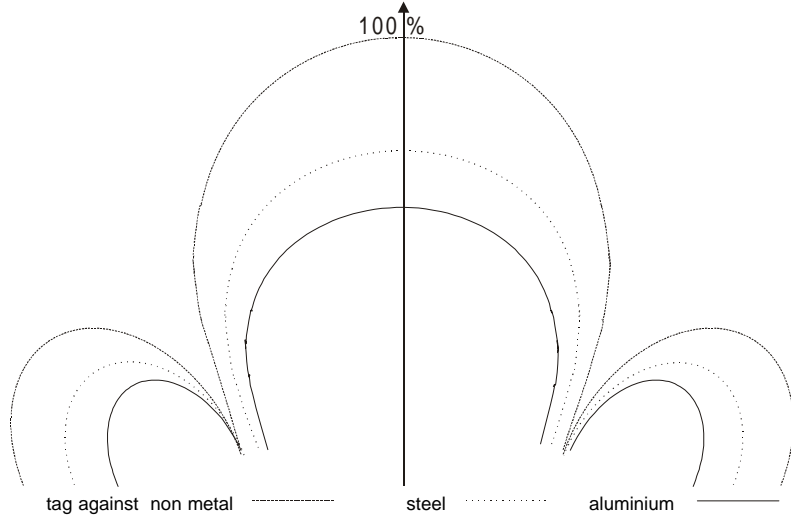
CHARACTERISTICS

Tests conditions:

- tags parallel to reader (tag tilt < 10°)
- tag in a non-metallic environment.

TAGS							
EE/116 Ø20x1		EE/116 Ø30x1		EE/116 Ø50x1		EA/116# Ø30x4x7.5	
read	write	read	write	read	write	read	write

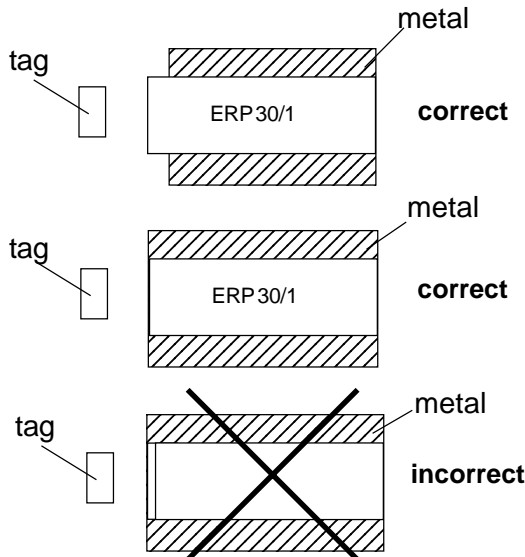
TRANSM.	Parameters		typical values							unit
	S <sub>n</sub>	maximum range	30	15	40	27	40	25	35	
S <sub>r</sub>	recommended range	0.5 S <sub>n</sub>							mm	
DS <sub>r</sub>	transmission zone diameter @ S <sub>r</sub>	27	18	35	28	40	30	35	25	mm



		min.	nom.	maxi	unit	
Electr.	supply voltage (ripple included)	21	24	29	V	
	supply current	@24V			40	mA
	carrier frequency				125	kHz
GENERAL	ambient temperature	- 25		+ 70	°C	
	protection rating	IP 65			-	
	casing	Aluminium			-	
	weight	180			g	

ASSEMBLY RECOMMENDATIONS

ERP 30/1 can be embedded in metal provided the sensing face is flush mounted or out:



To avoid interference between 2 transceivers, there must be a minimum space between them:

