

# BALOGH



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## Transceiver TLE B891/PUR

### IDENTIFICATION SYSTEMS

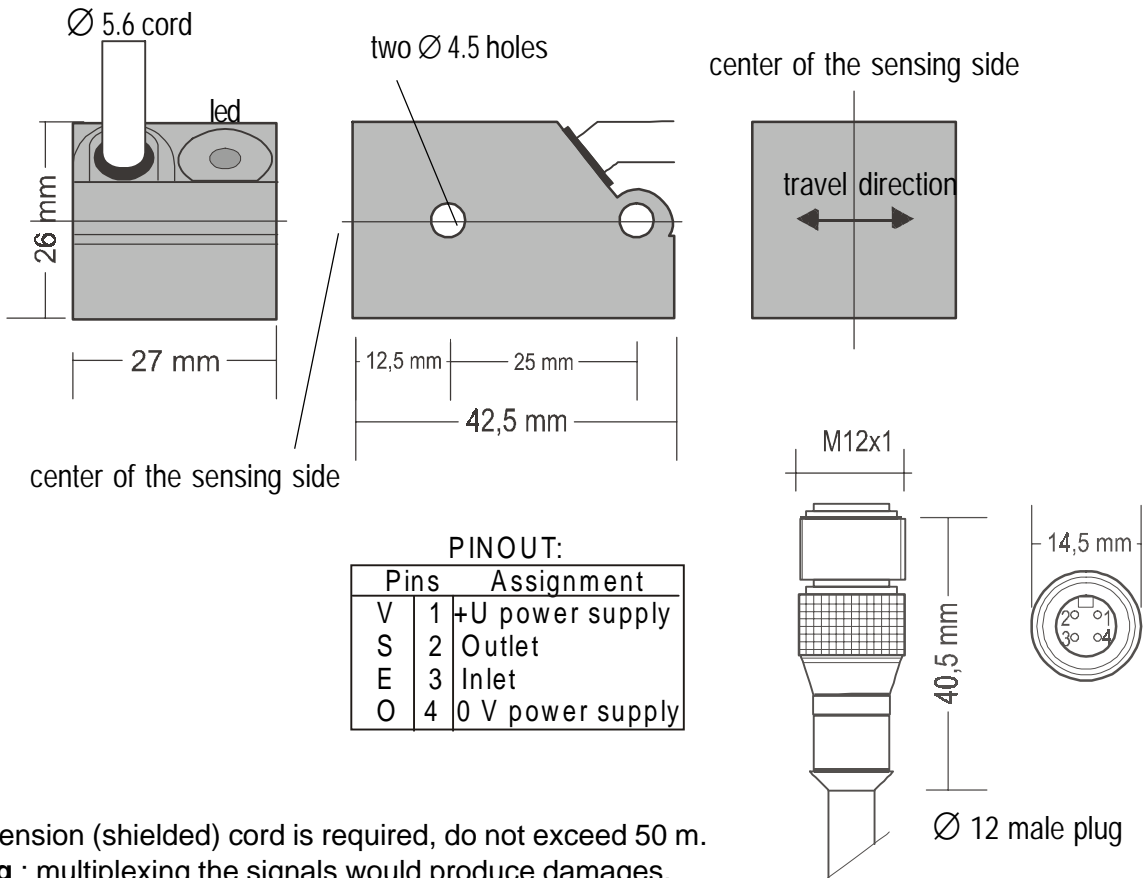
#### DESCRIPTION

The TLE B891/PUR is a compact transceiver used to read the OF tags or read/write to the OMA (MEGA .ID range) or GIE (MID .ID range) tags.

It is fitted with a shielded cord ending by an M12 plug which enables a quick connection to the Balogh control board.

#### DATA FOR ASSEMBLY

The standard TLE B 891/PUR is fitted with a 0.8 m-long PUR cord.  
The special TLE B 891/PUR/5m is fitted with a 5 m-long PUR cord.



If an extension (shielded) cord is required, do not exceed 50 m.  
**Warning** : multiplexing the signals would produce damages.

C H A R A C T E R I S T I C S

		OMA / GIE						unit
		711		731		831/ 931		
TRANSMISSION	Parameters	min.	typ.	min.	typ.	min.	typ.	
	$S_n$ maximum range	23		18		30		mm
	$S_r$ <b>recommended</b> range	0.4 $S_n$						mm
	$LS_r$ transmit zone length @ $S_r$	50 <sup>1)</sup>		30 <sup>2)</sup>		55 <sup>3)</sup>		mm
		OF / OFR						
		71		73				
	$S_n$ maximum range			20				mm
$S_r$ <b>recommended</b> range	0.4 $S_n$						mm	
$LS_r$ transmit zone length @ $S_r$			30 <sup>4)</sup>				mm	

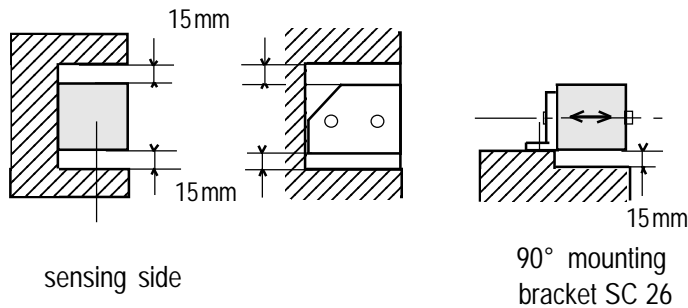
Max. allowed offsets for  $LS_r$  to be worth the mentioned value :

- angular:  $\pm 20^\circ$  for any tags
- lateral (mm):                      <sup>1)</sup>  $\pm 8$             <sup>2)</sup>  $\pm 5$             <sup>3)</sup>  $\pm 10$     <sup>4)</sup>  $\pm 5$

		min.	nominal	max.	unit	
Electronics	ambient temperature	-25		+ 50	°C	
	voltage supply	21	24	29	V	
	protection against reverse polarity	yes			-	
	current supply @ 24V				60	mA
	transmit frequency	1.5			MHz	
Packaging	casing	Rilsan			-	
	protection rating	IP 67			-	
	weight	85			g	

A S S E M B L Y R E C O M M E N D A T I O N S

The TLEB is not to be mounted directly in a recessed metal cavity: a minimum metal-free clearance surrounding the tag is required as shown:



To avoid interference between two transceivers, there must be a minimum space in-between (170 mm):

