



## Technical data LCD CRYSTAL-in

Technology	Full matrix or mosaic LCD; negative transreflective
Color	yellow against a dark background, blue / white (other colors available on request)
Angle of reflection	<b>horizontal</b> 60° / <b>vertical</b> 170°
Resolution	<b>high:</b> 8 - 24 <b>wide:</b> 96 - 184 (each at least 24 characters) <b>font size:</b> maximum 40 mm (other sizes on request)
Operating voltage	24 V-DC (16,8 - 32V)
Power consumption	Display (controller and rear illumination): 1,0 A; „Vehicle stopping“ display: 0,1 A
Operating/storage temperature	- 40 °C to +70 °C / - 40 °C to +85 °C
Service life	<b>illumination:</b> approx. 100 000 operating hours
Interfaces	- <b>superordinate data bus:</b> VDV300 (IBIS), Ethernet, RS232, (optional CAN) - <b>subordinate data bus:</b> LAWVO-MONO, RS485/422
Software	TED <sup>®</sup> plus (MS-operating systems WIN95 - WIN XP, WIN Vista)
Loading of operating data	- <b>manually</b> with PC-Card (PCMCIA - SRAM or Flash) - <b>automatically</b> via Ethernet-Interface (WLAN, FTP service)* <small>*optional</small>
Standards and directives	VDV 300 (IBIS)
	<b>Bus:</b> EMC <b>Directive</b> 2006/28/EG
	<b>Type approval number:</b> e1*72/245*2006/28*5204*00 <span style="border: 1px solid black; padding: 2px;">e1</span> 035204
	<b>Regulation ECE-R10</b> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">E1</span> 10 R - 025204
	<b>Approval number:</b>
Burning Behavior	<b>Directive</b> 95/28/EG
<b>Tran:</b>	EN 50155
EMC	EN 50121-3.2
Fire	DIN 5510

