Interface converter CTS-RS232/422

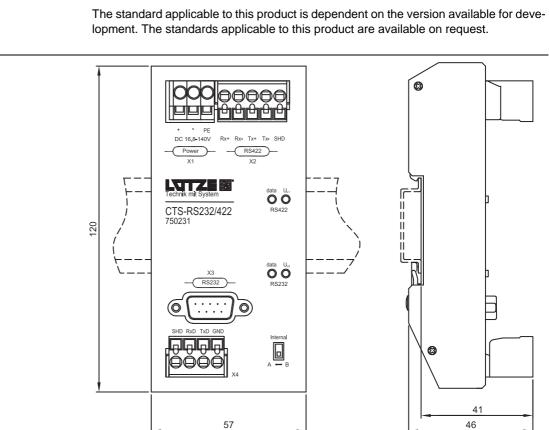


Identification	Туре	CTS-RS232/422	
	Part-No.	750231	
Product version			
Datasheet version	01		
Use/Application/Properties			
Description	Data transfer module for communication between a test object and a computer, suitab- le fur usage in the railway sector. It is possible to establish a switch-over from "internal" to "A<->B" via communication over a short distance with a module (within a carriage) or over a distance of up to 1200 m with 2 modules (e.g. between carriages A and B).		
Input			
Nominal voltage U _N	DC 24 V - 110 V		
Voltage range	DC 16.8 – 140.0 V		
Rated current (at U _N)	55 m at DC 16.8 35 mA at DC 24 V 7 mA at DC 140 V		
Reverse voltage protection	Yes		
Status indication LED	LED green U_{L1} and U_{L2}		
Connection	(X1): Terminal strip with cage-clamp connection, 3-pin, 0.08–2.5mm ² (AWG 28-12)		
V24 (RS232) side	Connection (X3, X4):		
	X4 test object: spring-type terminal, 4-pin 0.08-2.5 mm ² (AWG28-12);		
	X3 laptop: sub-D header 9-		
	internal/external operation internal communication bet	n: switch-over by means of slide switch	
		tween 2 modules (test object<->Laptop)	
	Communications display:		
	TxD: X3, X4, pin 3	-	
	RxD: X3, X4, pin 2		
	Shielding: X4, SHD		
	GND: X3, pin 5 / X4, pin GN	UU	



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V11 (RS422) side	Connection (X2): spring-tension clamp-type terminal 2-pin 4–2 mm ² (AWG 28-12) Communication display: LED yellow Rx+: Rx+ Rx-: Rx- Tx+: Tx+ Tx-: Tx+ Screening: SHD	
General		
Transfer rate	max. 50 kBaud	
Transmission medium	Twisted Pair	
Transmission distance	Max. 1200 m	
Electrical isolation	3-way separation: optocoupler in the transmit and receive circuit, and separate power supply units for supplying the V24 and V11 sides.	
Protection class	IP 20 (with cover for the Sub-D plug connector)	
Dimensions (w \times h \times d)	57.0 × 120.0 × 47.0 mm	
Operation temperature range	-40 °C – 85 °C (Tx)	
Storage temperature range	-40 °C 85 °C	
Weight (kg/piece)	0.172 kg/piece	
Rated insulation voltage	150 V Contamination level 2 Over voltage category III	
Standards	Electronic equipment on railway vehicles: EN 50155 Electromagnetic compatibility: EN 50121-3-2 Insulation coordination: EN 50124-1 Vibrations and shocks: EN50155/61373	



Dimensions



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Circuit diagram

