

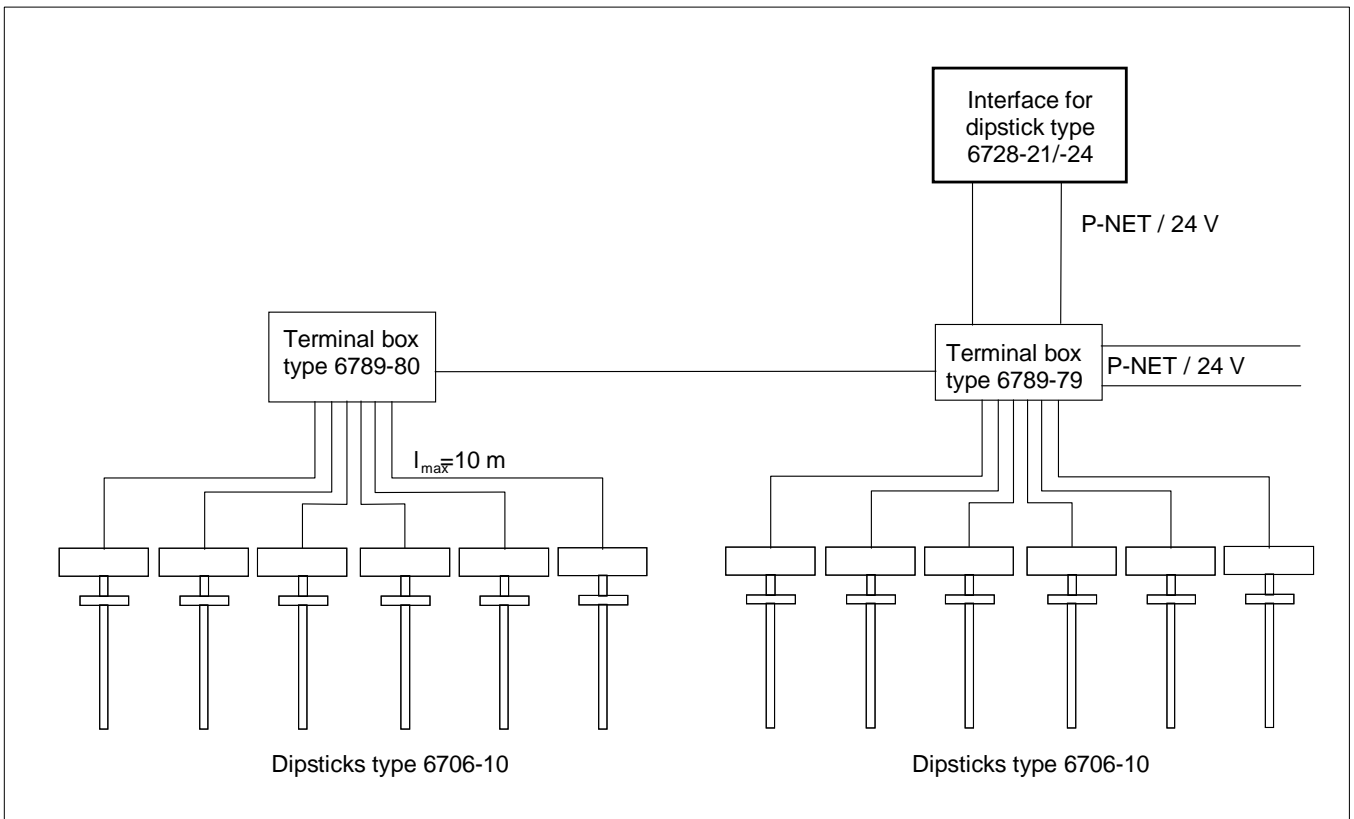
Interface for dipstick type 6728-21/22

- Central evaluating instrument for dipsticks of the type 6706-10.
- Connection possibility for 6 dipsticks with type 6728-21, for 12 dipsticks with type 6728-22.
- Serial data interface to the superordinate computer system.
- Robust, explosion-proof aluminium die-cast casing.

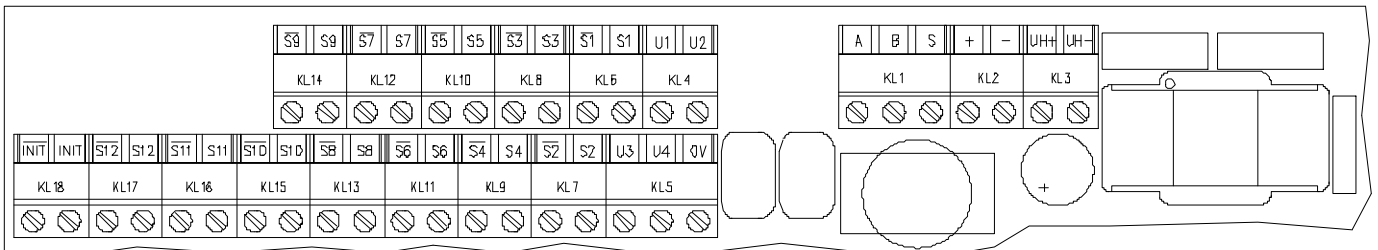


Technical data				
Mechanical data				
Protection type	IP 65 according to DIN 40050			
Cable	Ø 4.0 ... 8.7 mm (PG 11); Ø 6.7 ... 12.0 mm (PG 13)			
Casing	Aluminium die cast, surface untreated			
Dimensions	300 x 220 x 206 mm			
Weight	11 kg			
Ambient conditions				
Operating temperature	- 20 ... + 50 °C			
Storage temperature	- 25 ... + 60 °C			
Electrical data				
Operating voltage	DC 24 V (10 ... 35V) from series connection unit type 6781-xx			
Current consumption	max. 2.25 A @ DC 24 V	Electronics: 20 mA		
		Probes: 80 mA each		
		Auxiliary voltage: 400 mA		
Power consumption	max. 53 W	Electronics: 15 W		
		Probes: 2 W each		
		Auxiliary voltage: 15 W		
Number of probe connections (dipsticks)	Type 6728-21: 6;		Type 6728-22: 12	
Serial data interface	RS-485-compatible - P-NET, asynchronous 76800 Bit/s, 75...100 Ω			
Auxiliary voltage output	DC 24 V (stabilized), 400 mA			
Climatic class	HWE according to DIN 40040			
Equipment group / category / type of protection	II 2 (1) G Ex d [ia IIB Ga] IIA + C2H6O T4			
Certificates	PTB 12 ATEX 1023 X; IECEx PTB 14 0009X			
Standards	EN 60079-0, EN 60079-1, EN 60079-14 IEC 60079-0, IEC 60079-1, IEC 60079-14			
Electrical connection	Cable tail 5 m			
Cable entry	Screwed cable gland M 20 x 1.5			
Fuses	Marking	Value	Type	Description
	SI 2	M 200 mA	Miniature fuse 5 x 20	CPU
	SI 3	M 200 mA	Miniature fuse 5 x 20	P-NET
	SI 4	M 315 mA	Miniature fuse 5 x 20	Dipstick 1 ... 3
	SI 5	M 315 mA	Miniature fuse 5 x 20	Dipstick 4 ... 6
	SI 6	M 315 mA	Miniature fuse 5 x 20	Dipstick 7 ... 9
	SI 7	M 315 mA	Miniature fuse 5 x 20	Dipstick 10 ... 12
Order designations				
Interface for dipstick 6-channel Ex, type 6728-21			U891 17 672821	
Interface for dipstick 12-channel Ex, type 6728-22			U891 17 672822	

Block diagram: Interconnection of the components



Terminal assignment

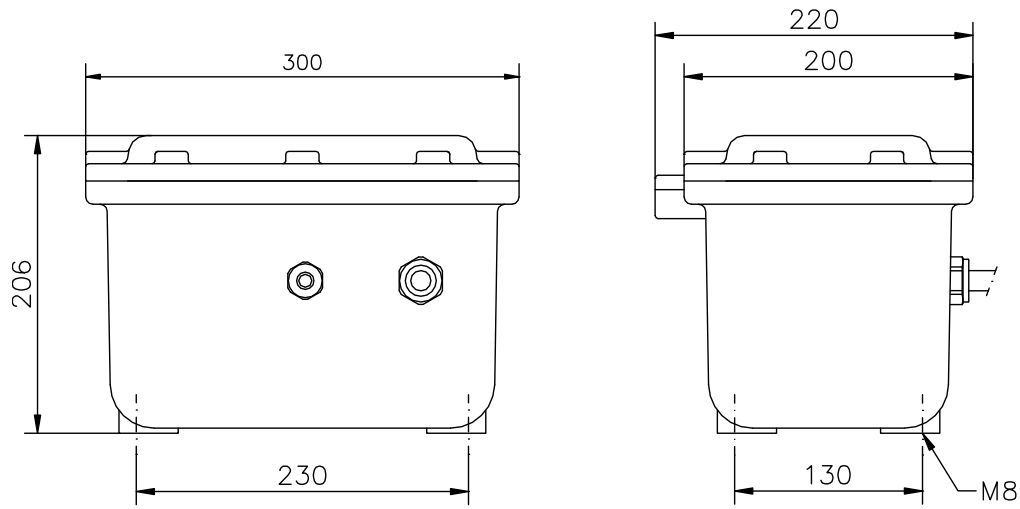


A	KL 1-1	A (data interface)	S2	KL 7-1	START/STOP 2	S9	KL 14-1	START/STOP 9
B	KL 1-2	B (data interface)	S2	KL 7-2	START/STOP 2	S9	KL 14-2	START/STOP 9
S	KL 1-3	S (data interface)	S3	KL 8-1	START/STOP 3	S10	KL 15-1	START/STOP 10
+	KL 2-1	+ supply	S3	KL 8-2	START/STOP 3	S10	KL 15-2	START/STOP 10
-	KL 2-2	- supply	S4	KL 9-1	START/STOP 4	S11	KL 16-1	START/STOP 11
UH +	KL 3-1	+ auxiliary voltage 24V	S4	KL 9-2	START/STOP 4	S11	KL 16-2	START/STOP 11
UH -	KL 3-2	- auxiliary voltage 24V	S5	KL 10-1	START/STOP 5	S12	KL 17-1	START/STOP 12
U1	KL 4-1	BTL_24V/1	S5	KL 10-2	START/STOP 5	S12	KL 17-2	START/STOP 12
U2	KL 4-2	BTL_24V/2	S6	KL 11-1	START/STOP 6	INIT	KL 18-1	INIT
U3	KL 5-1	BTL_24V/3	S6	KL 11-2	START/STOP 6	INIT	KL 18-2	INIT
U4	KL 5-2	BTL_24V/4	S7	KL 12-1	START/STOP 7			
0V	KL 5-3	BTL_0V	S7	KL 12-2	START/STOP 7			
S1	KL 6-1	START/STOP 1	S8	KL 13-1	START/STOP 8			
S1	KL 6-2	START/STOP 1	S8	KL 13-2	START/STOP 8			

Note: Signal \bar{i} = "Signal i" inverted
 For type 6728-21, terminals only available until S6

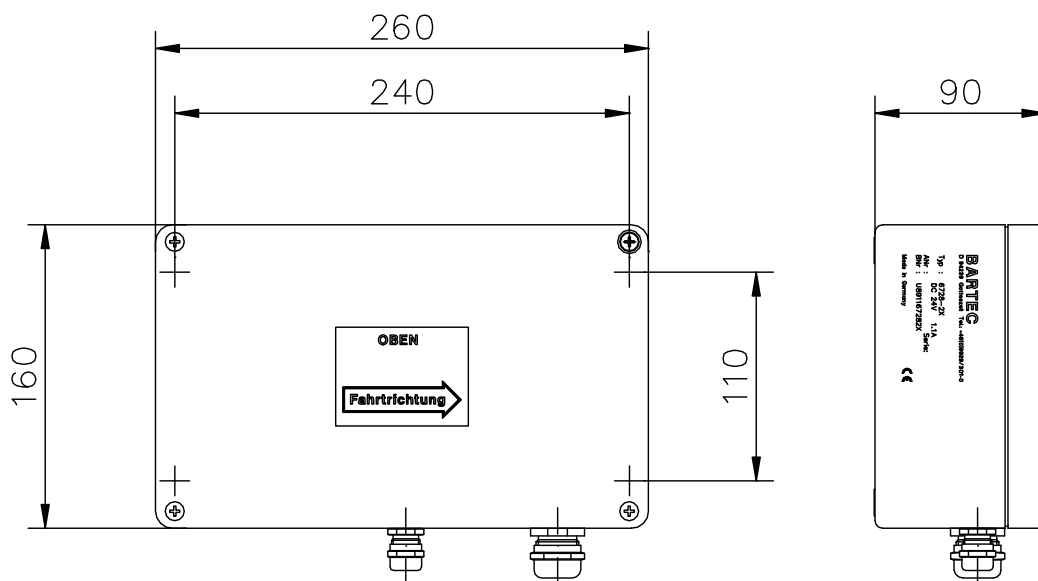
Dimensions

Type 6728-21



db672802.dwg

Type 6728-24



mz672808.dwg