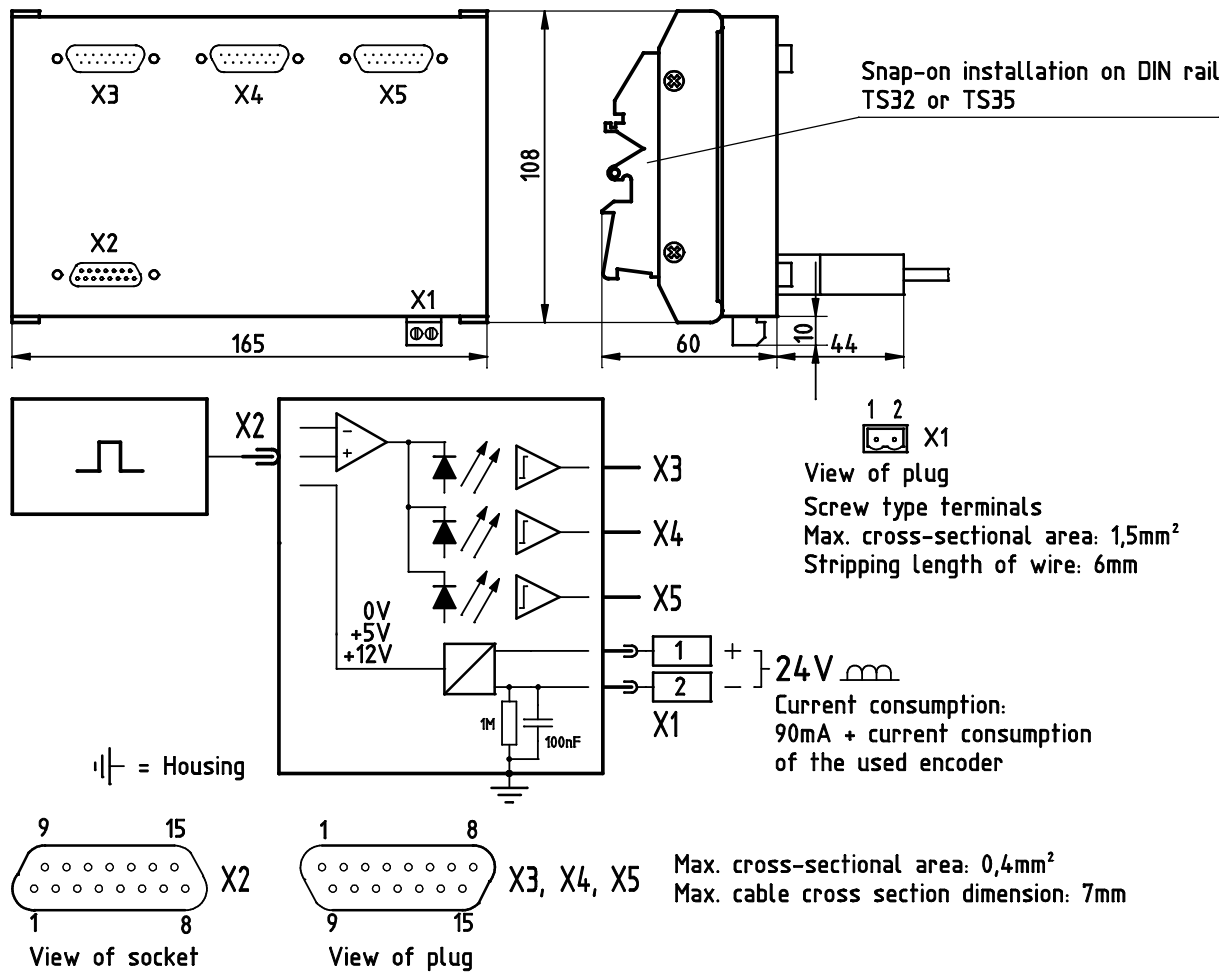


Encoder Branching Unit IGV -233

IGV-233 provides three encoder output links (opto-isolated from each other) on which the outputs of the connected encoder are reproduced.



- X2: Encoder input link
- X3, X4: Encoder outputs links for supply voltage range +5V ... +15V
- X5: Encoder outputs links for supply voltage range +10V ... +30V

Connector Pin Assignment

X2: Encoder Input Link		
1	Channel C inverted	
2	Channel C	
3, 10	+12V	supply voltage for the used encoder 300mA max.
4, 11	+5V	
5, 12	0V	
6	not used	
7	Channel A inverted	
8	Channel A	
9	not used	
13	Channel B	
14	Channel B inverted	
15	Screen	
Housing	Screen	
Permissible signal frequency 500kHz (on each channel)		
When using encoders without inverted output channels:		
<ul style="list-style-type: none"> • Use input channels A inverted, B inverted, C inverted, when encoders with output signals less or equal 5V are used. • Use input channels A, B, C, when encoders with output signals higher than 5V are used. 		

X3, X4: Branched Signals		X5: Branched Signals	
Supply voltage range: +5V ... +15V		Supply voltage range: +10V ... +30V	
1	Channel C inverted	1	Channel C inverted
2	Channel C	2	Channel C
3, 10	not used	3, 10 *)	+10V ... +30V / max.160mA
4, 11 *)	+5V ... +15V / max. 85mA	4, 11	not used
5, 12 *)	0V	5, 12 *)	0V
6	not used	6	not used
7	Channel A inverted	7	Channel A inverted
8	Channel A	8	Channel A
9	not used	9	not used
13	Channel B	13	Channel B
14	Channel B inverted	14	Channel B inverted
15	Screen	15	Screen
Housing	Screen, Each end of screen has to be connected with device housing!	Housing	Screen, Each end of screen has to be connected with device housing!
*) supply voltage (from extern) for the output signals			
Output current: 20mA max; Outputs internal resistance: 70Ohm approx			
Output signal level at maximum load: $U_H > (\text{supply voltage} - 1.5V)$, $U_L < 1.5V$			

The product specifications are based on theoretical and experimental data, and we also have a policy of continuous improvement in performance. Thus although we attempt to provide equipment which in all respects meets specifications, this cannot be ensured in all cases without written confirmation from OPTRONIK AG.