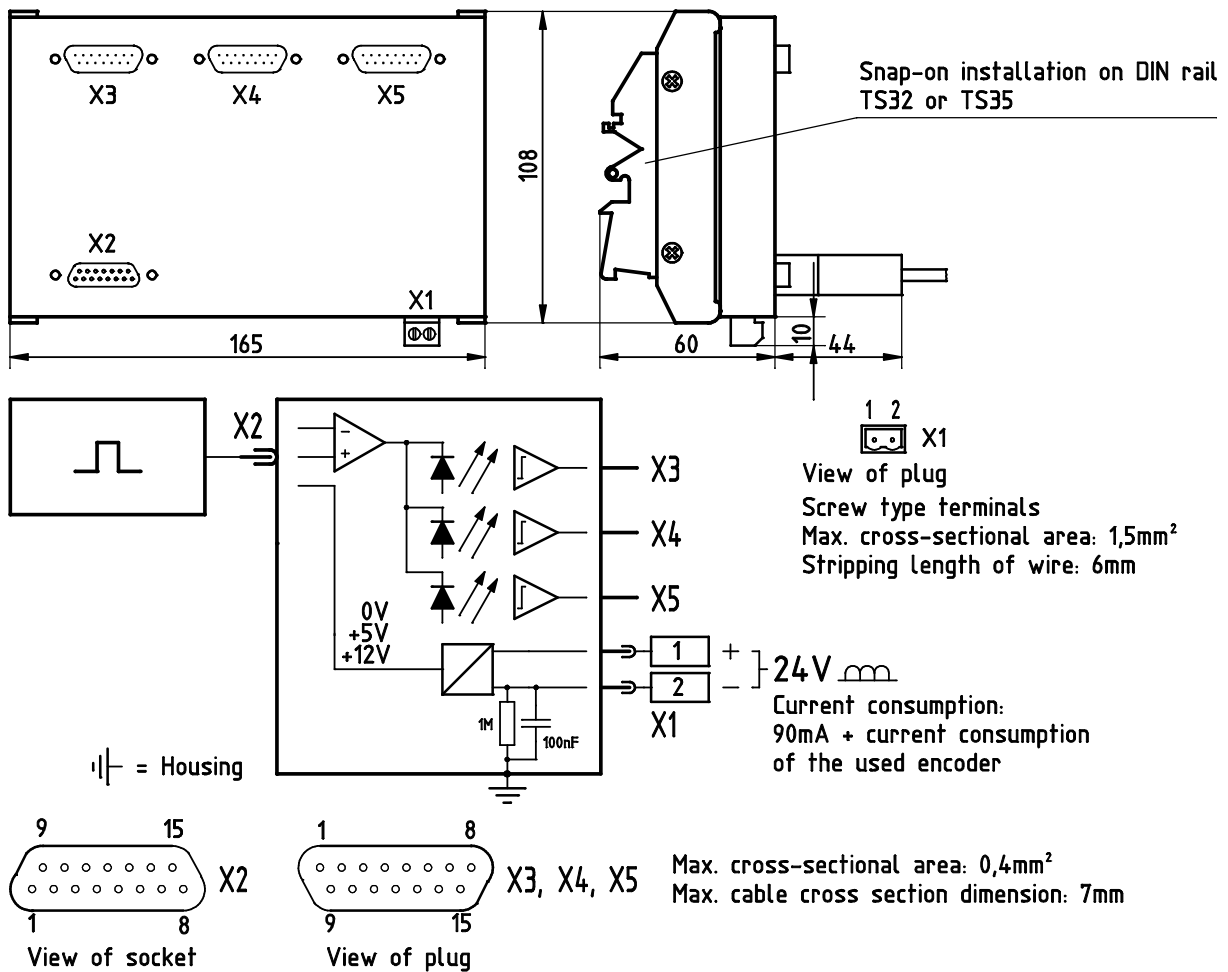


## Encoder Branching Unit IGV-334

IGV-334 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, X5 Encoder outputs links for supply voltage range +10V ... +30V

## Connector Pin Assignment

<b>X2: Encoder Input Link</b>		
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	Channel D	
7	Channel A inverted	
8	Channel A	
9	Channel D inverted	
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"> <li>• Use input channels A inverted, B inverted, C inverted, D inverted, when encoders with output signals less or equal 5V are used.</li> <li>• Use input channels A, B, C, D, when encoders with output signals higher than 5V are used.</li> </ul>		

<b>X3, X4, X5: Branched Signals</b>		
Supply voltage range +10V...+30V		
1	Channel C inverted	
2	Channel C	
3, 10 *)	+10V... +30V / 160mA max.	
4, 11	not used	
5, 12 *)	0V	
6	Channel D	
7	Channel A inverted	
8	Channel A	
9	Channel D inverted	
13	Channel B	
14	Channel B inverted	
15	Screen	
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.