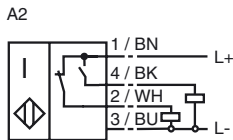




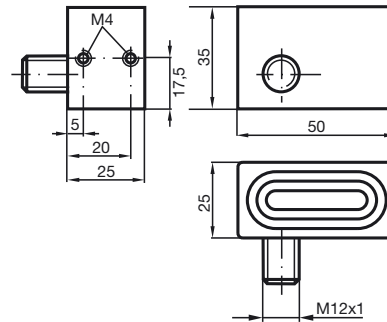
### Model Number

FJ7-A2-V1-Y33912

### Connection



## Dimensions



## Technical Data

### General specifications

Switching element function	PNP	Antivalent
Rated operating distance	$s_n$	7 mm
Installation		embeddable
Output polarity		switched high
Assured operating distance	$s_a$	0 ... 5.67 mm
Reduction factor $r_{Al}$		0.4
Reduction factor $r_{Cu}$		0.3
Reduction factor $r_{V2A}$		0.85

### Nominal ratings

Operating voltage	$U_B$	10 ... 30 V
Switching frequency	$f$	0 ... 200 Hz
Hysteresis	$H$	typ. 3 %
Reverse polarity protection		protected against reverse polarity
Short-circuit protection		pulsing
Voltage drop	$U_d$	$\leq 3$ V
Operating current	$I_L$	0 ... 200 mA
No-load supply current	$I_0$	$\leq 20$ mA

### Ambient conditions

Ambient temperature	-25 ... 70 °C (248 ... 343 K)
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### Mechanical specifications

Connection type	connector M12 x 1, 4-pin
Housing material	brass, zinc plated
Sensing face	POM
Protection degree	IP67

### Compliance with standards and directives

Standard conformity	
Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007