

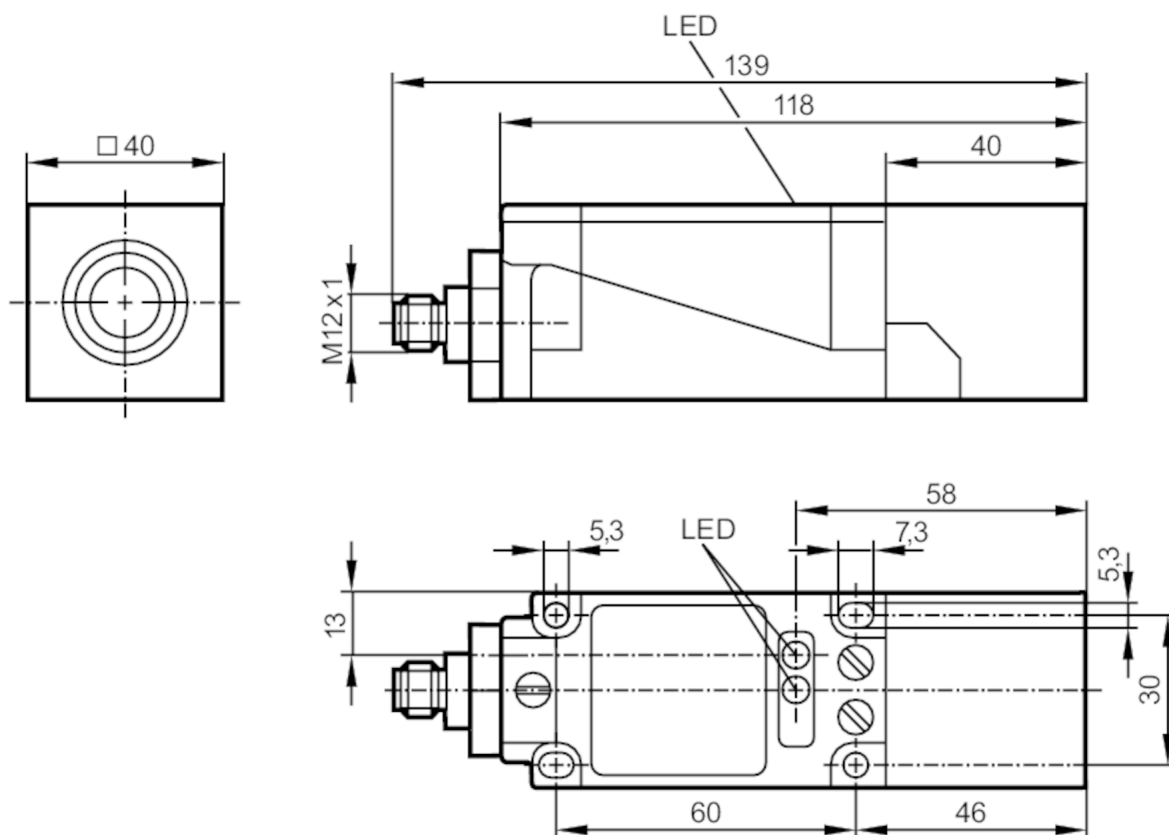
Inductive sensor

IVE3015UBPKG/US-100-DPS

phase-out article

Alternative articles: IV5060

When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	15
Housing	rectangular
Dimensions [mm]	40 x 40 x 118

Application

Special feature	Magnetic-field immune
Magnetic-field immune	yes

Electrical data

Operating voltage [V]	10...60 DC
Current consumption [mA]	20; (24 V)
Protection class	II
Reverse polarity protection	yes



Inductive sensor

IVE3015UBPKG/US-100-DPS

Outputs		
Electrical design	PNP	
Output function	normally open	
Max. voltage drop switching output DC [V]	3	
Permanent current rating of switching output DC [mA]	200	
Switching frequency DC [Hz]	50	
Short-circuit protection	yes	
Type of short-circuit protection	pulsed	
Overload protection	yes	
Detection zone		
Sensing range [mm]	15	
Real sensing range Sr [mm]	15 ± 10 %	
Operating distance [mm]	0...12.1	
Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.85 / brass: 0.4 / aluminium: 0.4 / copper: 0.3	
Hysteresis [% of Sr]	3...15	
Switch point drift [% of Sr]	-10...10	
Operating conditions		
Ambient temperature [°C]	-25...70	
Protection	IP 67	
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
Mechanical data		
Weight [g]	260.2	
Housing	rectangular	
Mounting	flush mountable	
Dimensions [mm]	40 x 40 x 118	
Materials	PPE modified	
Displays / operating elements		
Display	switching status	1 x LED, yellow
Remarks		
Remarks	5 positions of the active zone possible	
Pack quantity	1 pcs.	



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Electrical connection - plug

Connector: 1 x M12; coding: A



Connection

