

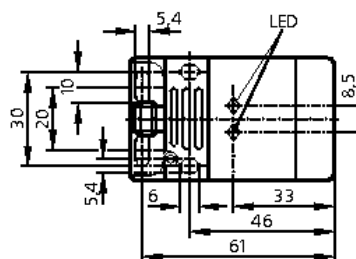
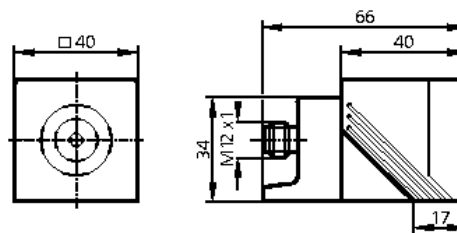
Inductive proximity switches

IM5097

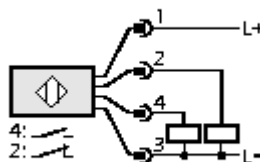
IMC4035-CPKG/K1/US
Rectangular plastic
Plug and socket

Correction factor = 1

Sensing range 35mm [nf]
non-flush mountable



Electrical design	DC PNP
Output	complementary
Operating voltage [V]	10...36 DC
Current rating [mA]	250
Short-circuit protection	pulsed
Reverse polarity protection	yes
Overload protection	yes
Voltage drop [V]	< 2.5
Current consumption [mA]	< 20 (24 V)
Real sensing range [mm]	35 ± 10 %
Operating distance [mm]	0...28.3
Switch-point drift [% / Sr]	-10...10
Hysteresis [% / Sr]	1...15
Switching frequency [Hz]	250
Correction factors	mild steel = 1 / stainless steel approx. 1.1 / brass approx. 1.1 / Al approx. 1.1 / Cu approx. 1.1
Operating temperature [°C]	-25...70
Protection	IP 67 ☐
EMC	EN 60947-5-2
Housing material	housing: PPE; active face: PPE; connector housing: brass white bronze coated; end cap: PPS; bracket: PPS
Function display	
Switching status LED	yellow
Operation LED	green
Connection	M12 connector
Wiring	



Remarks

Accessories (included)	5 positions of the active zone possible Mounting bracket, hex-wrench
ifm electronic gmbh · Teichstraße 4 · D-45127 Essen	— We reserve the right to make technical alterations without prior notice. — GB · IM5097 — 06.03.2003