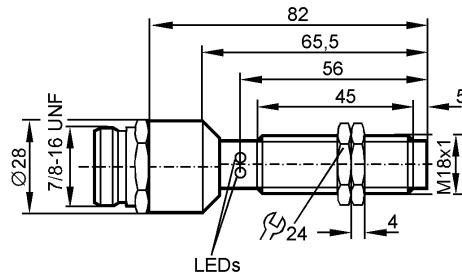


**IG0333**

IGA2005UARKA/SC/SL/LS-300BL

Inductive sensors

no longer available - archive entry



**Product characteristics**

Inductive sensor

Metal thread M18 x 1

Quick disconnect

Weld field immune

Sensing range 5 mm; [f] flush mountable

**Electrical data**

Electrical design	AC/DC
Operating voltage [V]	20...140 AC/DC (47...63 Hz AC)
Protection class	I
Reverse polarity protection	no

**Outputs**

Output function	normally open
Voltage drop [V]	< 5.5
Minimum load current [mA]	5.5
Leakage current [mA]	< 1.7 (140 V AC/DC)
Current rating [mA]	300 AC / 420 DC
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	25 AC / 500 DC

**Monitoring range**

Sensing range [mm]	5
Real sensing range (Sr) [mm]	5 ± 10 %
Operating distance [mm]	0...4.05

**Accuracy / deviations**

Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.3 / copper approx. 0.2
Hysteresis [% of Sr]	3...15
Switch-point drift [% of Sr]	-10...10

**Environment**

Ambient temperature [°C]	-25...70
Protection	IP 67

**IG0333**

IGA2005UARKA/SC/SL/LS-300BL

**Inductive sensors**

**Tests / approvals**

EMC	EN 60947-5-2 EN 55011:	class B
MTTF	[Years]	354

**Mechanical data**

Mounting	flush mountable
Housing materials	brass; active face: PC (polycarbonate); fully PTFE-coated
Weight	[kg] 0.158

**Displays / operating elements**

Output status indication	LED	red
Power	LED	green
Function display	LED	green and red flashing alternately (short-circuit)

**Electrical connection**

Connection	7/8" connector
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**Wiring**



**Accessories**

Accessories (included)	2 lock nuts
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**Remarks**

Pack quantity	[piece]	1
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