efector100

ifm electronic

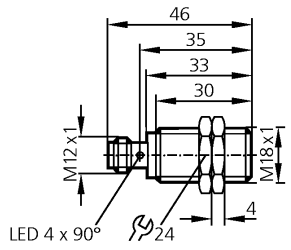
Inductive sensors

IGS20A

IGB3008BBPKG/M/US/3D
Inductive sensor
Metal thread M18 x 1
Plug and socket

Increased sensing range
gold-plated contacts
ATEX approval
Group II, category 3D

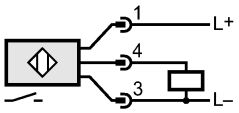
Sensing range 8 mm [f]
flush mountable



CE

Electrical design Output		DC PNP normally open
Operating voltage	[V]	10...36 DC
Current rating	[mA]	100
Short-circuit protection		pulsed
Reverse polarity protection		yes
Overload protection		yes
Voltage drop	[V]	< 2.5
Current consumption	[mA]	< 10
Real sensing range	[mm]	8 ± 10 %
Operating distance	[mm]	0...6.5
Switch-point drift	[% of Sr]	-10...10
Hysteresis	[% of Sr]	3...15
Switching frequency	[Hz]	400
Correction factors		mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / Al approx. 0.4 / Cu approx. 0.3
Operating temperature	[°C]	-20...60
Protection		IP 67, II
EMC		EN 60947-5-2
Marking of the unit		Ex II 3D Ex tD A22 IP67 T80°C X
Housing material		brass white bronze coated; active face: LCP; connector: PEI
Function display Switching status	LED	yellow (4 x 90°)
Connection		M12 connector; gold-plated contacts
Accessories (included)		2 lock nuts

Wiring



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