efector100®

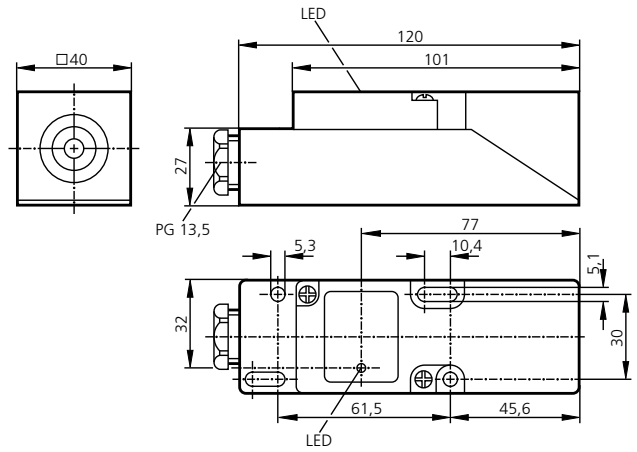
Induktive Näherungsschalter

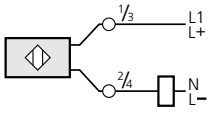
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Quaderförmig Kunststoff
Anschlußklemmen

Schaltabstand 15mm [b]
bündig einbaubar



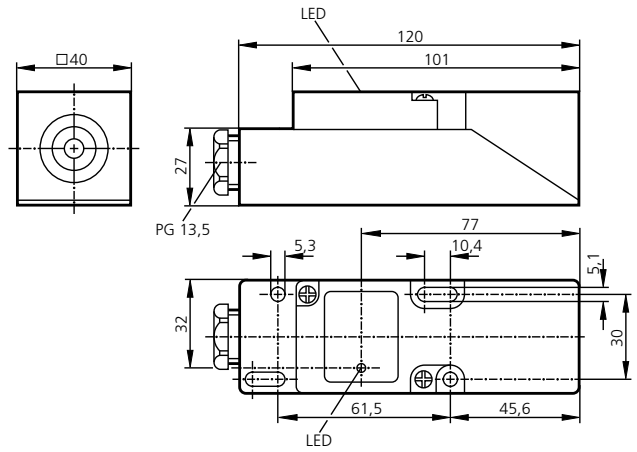
Elektrische Ausführung **Ausgangsfunktion**		**2-Leiter AC/DC** **Schließer / Öffner programmierbar**
Betriebsspannung	[V]	20 ... 250 AC/DC
Strombelastbarkeit (Dauer) Strombelastbarkeit (Kurzzeit)	[mA] [mA]	350 AC (... +50°C); 250 AC (... +80°C); 100 DC î: 2,2 A (20ms / 0,5Hz)
Mindestlaststrom	[mA]	5
Kurzschlußschutz, getaktet		—
Verpolungssicher / überlastfest		—
Spannungsabfall (max. Last)	[V]	< 6,5 AC / 6,0 DC
Reststrom	[mA]	< 2,5 (250V AC); <1,3 (110V AC); < 0,8 (24V DC)
Stromaufnahme	[mA]	—
Schaltfrequenz	[Hz]	20 AC / 55 DC
Realschaltabstand Sr	[mm]	15 ± 10%
Arbeitsabstand	[mm]	0 ... 12,1
Schaltpunktdrift	[% von Sr]	-10 ... +10
Hysterese	[% von Sr]	1 ... 15
Korrekturfaktoren		Stahl (St37) = 1; V2A ca. 0,7; Ms ca. 0,4; Al ca. 0,3; Cu ca. 0,2
Schaltzustandsanzeige		LED gelb
Umgebungstemperatur	[°C]	-25 ... +80
Schutzart, Schutzklasse		IP 65 ⧈
EMV		prEN 60947-5-2 Annex X; EN 55011 Klasse B
Gehäusewerkstoff		modifiziertes PPO
Anschluß		Klemmen bis 2,5mm²
Anschlußschema		

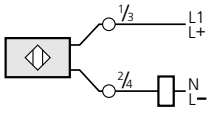
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Rectangular Plastic
Terminals

Sensing range 15mm [f]
flush mountable



Electrical Design **Output**	**2-wire AC/DC** **normally open / normally closed programmable**
Operating voltage [V]	20 ... 250 AC/DC
Current rating (continuous) [mA] Current rating (peak) [mA]	350 AC (... +50°C); 250 AC (... +80°C); 100 DC î: 2.2 A (20ms / 0.5Hz)
Minimum load current [mA]	5
Short circuit protection	—
Reverse polarity / overload protection	—
Voltage drop [V]	< 6.5 AC / 6.0 DC
Leakage current [mA]	< 2.5 (250V AC); <1.3 (110V AC); < 0.8 (24V DC)
Current consumption [mA]	—
Switching frequency [Hz]	20 AC / 55 DC
Real sensing range Sr [mm]	15 ± 10%
Operating distance [mm]	0 ... 12.1
Switch-point drift [% of Sr]	-10 ... +10
Hysteresis [% of Sr]	1 ... 15
Correction factors	steel = 1; stainless steel approx. 0.7; Ms approx. 0.4; Al approx. 0.3; Cu approx. 0.2
Output status indication	LED yellow
Operating temperature [°C]	-25 ... +80
Protection	IP 65
EMC	prEN 60947-5-2 annex X; EN 55011 class B
Housing material	modified PPO
Connection	terminals up to 2.5mm²
Wiring	

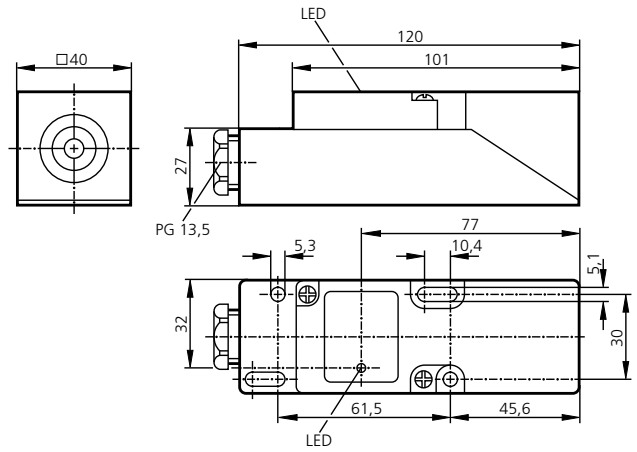
 We reserve the right to make technical alterations without prior notice.

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Plastique
Boîte de raccordement

Portée 15mm [b]
encastrable



Technologie **Sortie**		**2 fils AC/DC** **normalement ouvert / normalement fermé programmable**
Tension d'alimentation	[V]	20 ... 250 AC/DC
Courant de sortie (au maintien) Courant de sortie (à l'appel)	[mA] [mA]	350 AC (... +50°C); 250 AC (... +80°C); 100 DC î: 2,2 A (20ms / 0,5Hz)
Courant de sortie minimum	[mA]	5
Protégé: courts-circuits		—
Protégé: inv. de pol. et surcharges		—
Chute tension / charge maxi	[V]	< 6,5 AC / 6,0 DC
Courant résiduel	[mA]	< 2,5 (250V AC); <1,3 (110V AC); < 0,8 (24V DC)
Consommation	[mA]	—
Fréquence de commutation	[Hz]	20 AC / 55 DC
Portée réelle Sr	[mm]	15 ± 10%
Portée de travail	[mm]	0 ... 12,1
Dérive du point de commm.	[% de Sr]	-10 ... +10
Hystérésis	[% de Sr]	1 ... 15
Facteurs de correction		acier = 1; V2A (303) env. 0,7; Ms env. 0,4; Al env. 0,3; Cu env. 0,2
Indication de commutation		LED jaune
Température ambiante	[°C]	-25 ... +80
Protection		IP 65 ⧈
CEM		prEN 60947-5-2 annexe X; EN 55011 classe B
Boîtier		PPO modifié
Raccordement		bornes jusqu'à 2,5mm²
Schéma de branchement		

