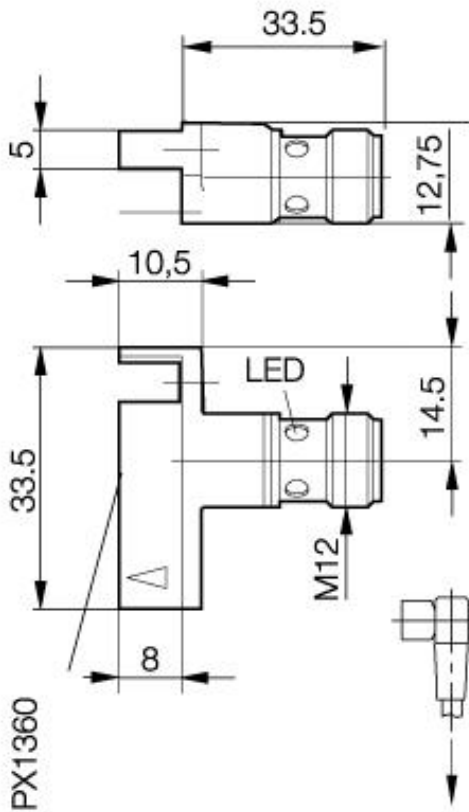


Magnetic Field Sensors
BMF 305M-PS-W-2-S 4
33,5x33,5x12,75
Short circuit protection



Common Data

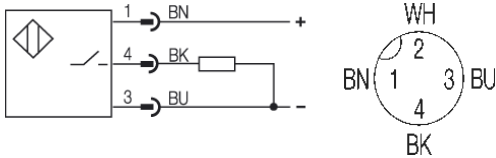
Assured operating field strength	2kA/m
Repeatability R	1,0% v. Hn
Hysteresis	45% v. Hn
Function indication	yes
Ambient temperature range	-25...+70°C
Temp.Drift from Switch. Pnt	0,3%/°C v. Hn
Particular characteristics	weld field immune

Mechanical Data

Measurements BxHxT oder DxT	33,5x33,5x12,75mm
Housing material	Aluminium
Material of sensing face	PU
Degree of protection	IP67IP
Connection	Connector S4 (M12)

Electrical Data

Current type	DC
Wiring	3-Wire
switching function	normally-open
Output signal	PNP
Rated operational voltage	24 DCV
Rated operational current	200mA
Supply voltage	10...30V
Ripple	≤ 15% v. Ub
Rated supply frequency	DCHz
No-load supply current	≤30/≤10mA
Off-state current	≤ 80µA
Maximum operational current	200mA
Voltage drop	≤ 2,5V
Switch-On-Delay	50ms
Switch-Off-Delay	50ms
Short circuit protection	yes
Protected against polarity reversal	yes



Datasheet number:

Definitions see general catalog.
 If not otherwise noted, ratings according to
 IEC 60947-5-2 (DIN EN60947-5-2)

Balluff GmbH
 Schurwaldstrasse 9
 73765 Neuhausen a.d.F.
 Phone (07158) 173-0 Fax (07158) 5010

Datenblatt by CD-ROM - 04/2007

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