

1) Light array



Basic features

Approval/Conformity	CE UKCA WEEE
Basic standard	IEC 60947-5-2
Principle of operation	Optical sensor head
Reference base unit	BAE SA-OH-059-...
Series	F40
Style	Fork Straight connection

Electrical connection

Cable diameter D	1.80 mm
Cable length L	1 m
Connection	Cable with connector, M8x1- Female, 1 m, PUR

Environmental conditions

Ambient temperature	-10...55 °C
IP rating	IP65

Interface

Analog output	for analog amplifier
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Material

Housing material	Aluminium, anodized, black
Material jacket	PUR
Material sensing surface	PMMA
Surface protection	anodized, black

Mechanical data

Dimension	67 x 10 x 75 mm
Fork opening	40 mm
Mounting part	Screw M5

Optical features

LED group per IEC 62471	Exempt Group
Light type	LED, red light
Principle of optical operation	Fork sensor
Smallest part typ.	0.50 mm
Special optical feature	Light array
Wave length	640 nm

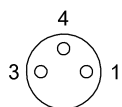
Range/Distance

Accuracy	±3.2 % FSO (AL 6...24 mm) 5 % FSO (AL 3...27 mm) 10 % FSO (AL 0...30 mm)
Active length AL 1	30 mm
Repeat accuracy	50 µm
Resolution	≤ 0.05 mm

Remarks

Actuation object (target): gray card, 200 x 200, lateral approach.
For additional information, refer to user's guide.

Connector Drawings



Opto Symbols

