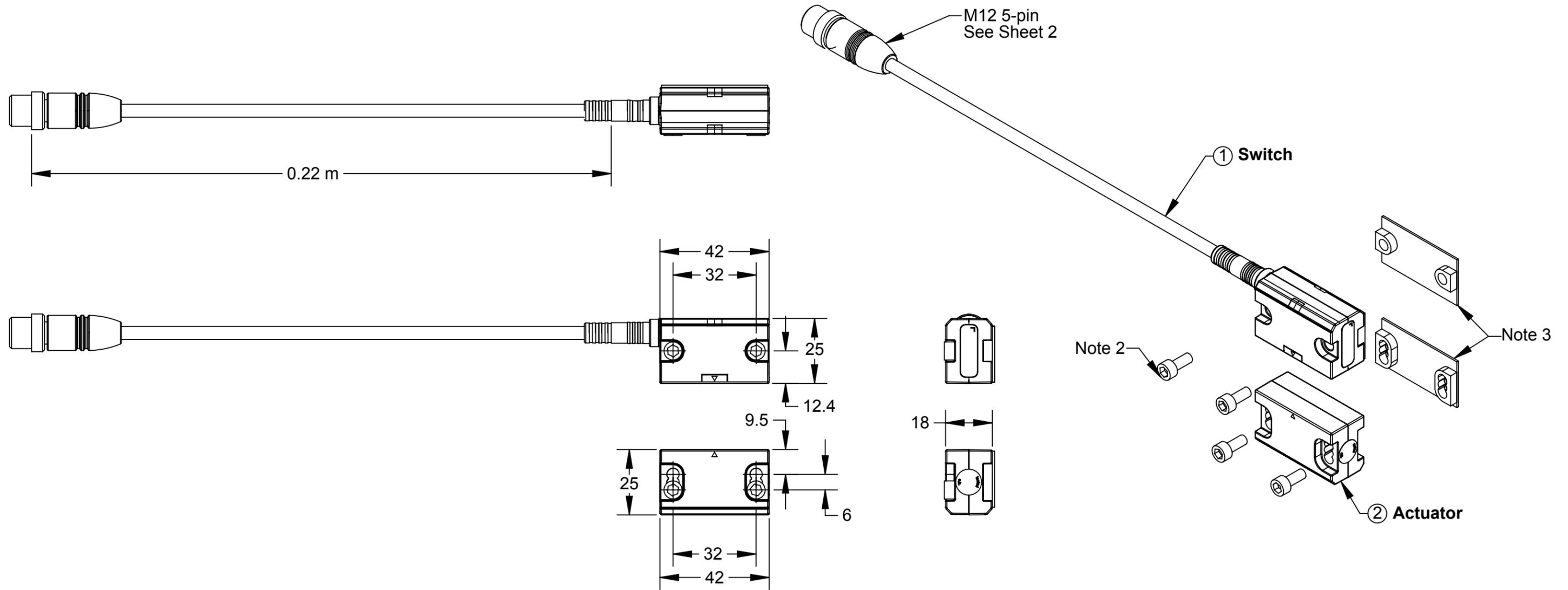


Rev.	Description	Initiator	Date
03	ECO 19236: Sheet 1: Added balloon callouts to Switch & Actuator text.	TBC	7/21/2020



Sheet	Description
1	9120-TSL-SS-9019 Detail
2	Sensing Range and Wiring Detail

9120-TSL-SS-9019 BOM			
ITEM NO.	QTY	PART NUMBER	DESCRIPTION
1	1	8600-117324	Euchner CES-I-AP-M-C04-USB-117324 Safety Switch, use with 8605-115271
2	1	8605-115271	Euchner CES-A-BBN-C04-115271 Actuator, use with 8600-117324

Notes:

1. Switch and actuator shipped loose. To be installed by customer.
2. Customer to provide and install 4X M4X0.7 SHCS and torque to MAX 0.8 Nm. DO NOT overtighten.
3. Isolator pads included with switch and actuator.

NOTES: UNLESS OTHERWISE SPECIFIED.

DO NOT SCALE DRAWING. ALL DIMENSIONS ARE IN MILLIMETERS.

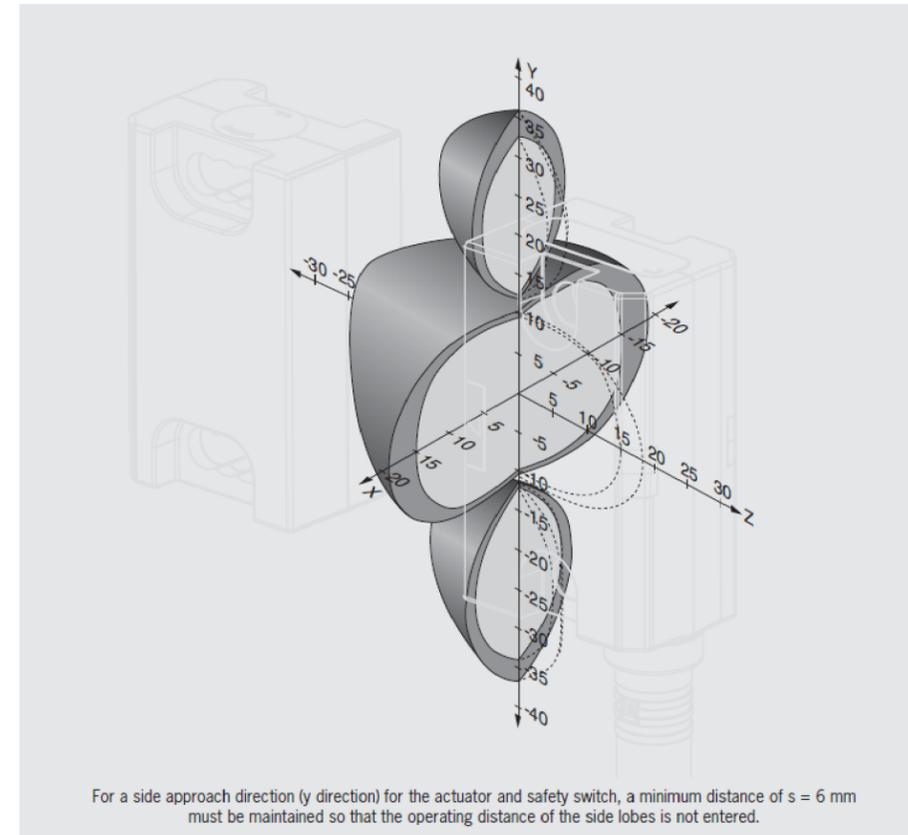
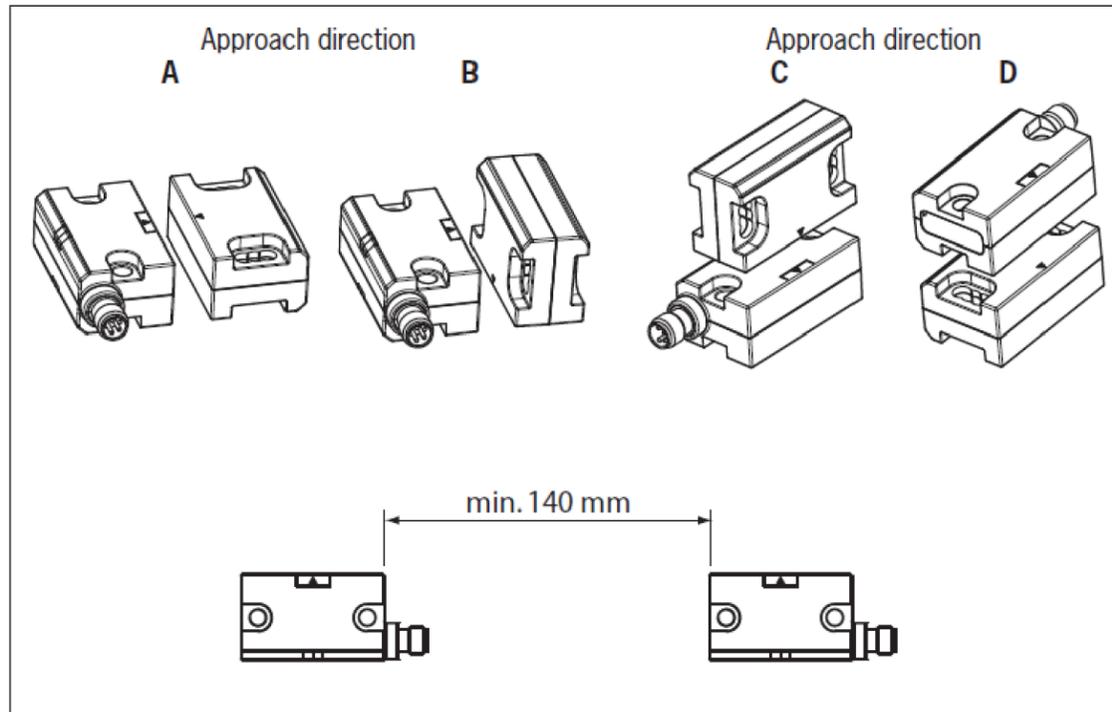


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DRAWN BY: J. Winterroth, 5/12/16		TITLE	
CHECKED BY: D. Norton, 5/12/16		TSL TSI - Non-Contact Euchner - .22m Cable, M12 5-pin - Switch & Actuator Only, No Bracket - Kit	
PROJECT # 160425-2	SHEET 1 OF 2	SCALE 2:3	REVISION 03
		SIZE B	DRAWING NUMBER 9630-20-TSL-SS-9019

Approach directions and minimum distance CES-I-AP-.-C04



In combination with actuator CES-A-BBN-C04-115271...	Approach directions A and B (see page 111)			
Operating distance for center offset $m = 0$				
- Switch-on distance	-	15	-	mm
- Assured switch-on distance s_{so}	10	-	-	
- Switching hysteresis ²¹	1	2	-	
- Assured switch-off distance s_{ar}			40	
			60	
In combination with actuator CES-A-BBN-C04-115271...	Approach directions C and D (see page 111)			
Operating distance for center offset $m = 0$				
- Switch-on distance	-	11	-	mm
- Assured switch-on distance s_{so}	6	-	-	
- Switching hysteresis ²¹	1	2	-	
- Assured switch-off distance s_{ar}			40	
			60	

Connection cable with M12 plug connector, 5-pin

Connector assignment
CES-I-AP-...-SB-...
5-pin

Pin	Designation/description	Wire color
1	UB Power supply DC 24 V	BN
2	FO1A Safety output channel 1	WH
3	0V Ground DC 0 V	BU
4	FO1B Safety output channel 2	BK
5	OD/n.c. Monitoring output	GY

View on the connection side of the safety switch

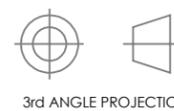
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3rd ANGLE PROJECTION

DRAWN BY: J. Winterroth, 5/12/16

CHECKED BY: D. Norton, 5/12/16

PROJECT # 160425-2 SHEET 2 OF 2

TITLE

TSL TSI - Non-Contact Euchner - .22m Cable, M12 5-pin - Switch & Actuator Only, No Bracket - Kit

SCALE
1:2

SIZE
B

DRAWING NUMBER
9630-20-TSL-SS-9019

REVISION
03