

Technical Data

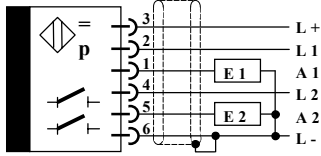
Non-contact safety switch

Series STS4

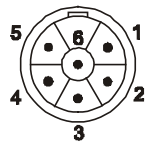
Description **STS4-N44US/020-KLS**

Article number **6505054001**

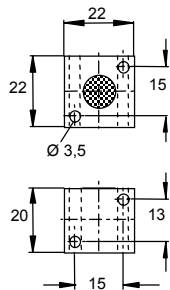
Wiring Diagram



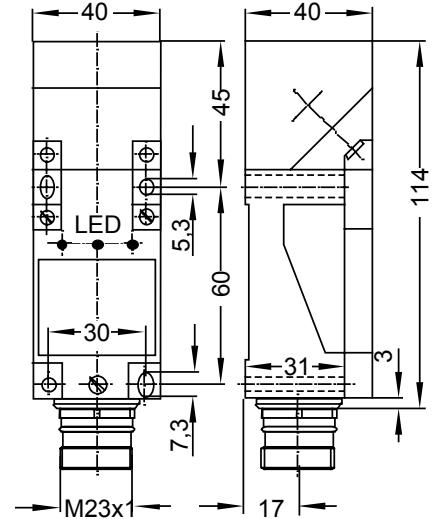
Plug connector



Actuating element



Safety switch



Safety switch category 4

Switch. distance, hysteresis	20 mm, < 15 %
Secured switching off distance	35 mm
Shape, housing material	cube 40 x 40 x 114 mm, KS
Installation	Non flush
Protection type, weight	IP 67, 250 g
Protective insulation	Protection type II acc. to IEC 947
Identification	via 6-digit number code
Safety category	4 acc. to EN 954-1
Construction	2-channel, reciprocal monitoring
Supply voltage range L+	15 - 30 VDC
Current consumption	< 90 mA
Operating mode	2 NO (no actuating element in front)
Output voltage L1, L2	12 - 30 VDC, pulse checked
Output voltage A1, A2	min.: $U_{LX} - 3V$ (400mA), typ.: $U_{LX} - 1,75V$ (100mA)
Output current	< 400 mA per output
Actuating time	> 150 ms, typ. 185 ms
Voltage drop-out time	> 75 ms, typ. 100 ms
Switch-on delay	approx. 2 s
Max. operating frequency	1 Hz
Indicators	2 x identification (CH1, CH2 - green), fault (ERR - red)
Rev. polarity, interference pol	installed
Ambient temperature range	-30 ... +70 °C
Connection	Stecker, 6-polig, Coninvers RC
Max. permissible cable length	300 m

Actuation element

Shape, housing material	cube 22 x 22 x 20 mm, KS
Mounting and/or installation	mounting by sticking, type of glue: on request
Protection type, weight	IP 67, 13 g
Protective insulation	Protection type II acc. to IEC 947
Identification	via 6-digit number code
Safety category	4 acc. to EN 954-1
Construction	Transponder
Ambient temperature range	-30 ... +70 °C

EG-Konformität



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