

## Product No: 101087930

### SCHMERSAL TENSIONERS / STQ441-TB PULL-WIRE EMERGENCY STOP SWITCH 101087930

#### FEATURES

- Pull-wire emergency stop switch
- Metal enclosure for durability
- Actuating element: Roller lever N300 for reliable operation
- Switching elements include both NO (Normally Open) and NC (Normally Closed) contacts
- Features slow action switching mechanism
- Equipped with 3 auxiliary contacts and 3 safety contacts
- Screw connection terminal connector for secure wiring
- Key reset function for controlled reactivation
- Integrated indicator lamp for visual status indication



*Note: In case of failure (interruption of the 0 V supply) the maximum leakage current is 1 mA.*

#### General Information

Brand	SCHMERSAL
Cable Note	All indications including the conductor ferrules.
Coding Level According to EN ISO 14119	Low
EAN	4030660000000
eCl@ss Number, Version 11.0	27-27-26-01
eCl@ss Number, Version 9.0	27-27-26-01
ETIM 6.0	EC000030
ETIM 7.0	EC001487
Housing Construction Form	Norm construction design
Product Type	Tensioning Jack
Protection Class of Operating Resource	2
Recommended Actuator	MZM 100-B1.1
Recommended Safety Switchgear	SRB-E-301ST   SRB-E-201LC
Working Principle	Magnetic drive

## Technical Attributes

No. of Auxiliary Contacts	1
Assured "OFF" Switching Distance (mm)	30
Assured "ON" Switching Distance (mm)	12
Contact Material	Silver
Design of Control Element	Short-circuit proof, p-type
Latching Force (N)	30
Maximum Actuating Speed (m/s)	2.5
Maximum Bounce Duration (ms)	3
Maximum Cable Cross Section (mm <sup>2</sup> )	2.5
Maximum Electrical Power Consumption (W)	10
Maximum Fuse Rating	2 A gG D-fuse
Maximum Holding Force (N)	2600
Maximum Switching Capacity (W)	0.24
Minimum Actuating Force (N)	12
Minimum Actuating Speed (mm/min)	160
Minimum Cable Cross Section (mm <sup>2</sup> )	0.75
Minimum Mechanical Life	20000000 Operations
Minimum Positive Break Force (N)	50
No. of Actuating Directions	3
No. of Normally-open Contacts	2
No. of Safety Contacts	3
Overvoltage Category	3
Positive Break Travel (mm)	10
Rated Impulse Withstand Voltage (kV)	6
Rated Insulation Voltage (V)	500
Rated Operating Current (mA)	50
Rated Short-circuit Current (A)	400
Resistance to Shock (g/ms)	30 / 11
Switching Element	1 NO contact, 2 NC contacts
Switching Principle	Slow action
Terminal Type	Screw terminals M20 x 1.5

Utilisation Category DC-13 | AC-15

### Physical Attributes

Actuator Type	Offset roller lever
Enclosure Coating Material	Painted
Enclosure Material	Glass-fibre, reinforced thermoplastic
Gross Weight (g)	17300
Installation Conditions	Not flush
Maximum Ambient Temperature (°C)	80
Minimum Ambient Temperature (°C)	0
Mounting Type	Rear-side mounting holes
Net Weight (g)	50
Storage Temperature (°C)	-25 to 70
Wire Cross-Section	0.25 mm

### Dimensions

Cable Length (m)	2
Depth (mm)	61
Height (mm)	100
Sensor Height (mm)	100.5
Sensor Length (mm)	43.3
Width (mm)	27.8

### Protection & Standards

Degree of Protection	IP67
Pollution Degree	3
Standards	EN IEC 60947-5-1

### Resources

Product catalogue (Flipbook) [Download from here](#)