

Fireman's switch, for 4 strings, 30A, MV

Part no. SOL30X4-SAFETY-MV-U(230V50HZ)
 Catalog No. 168103
 Eaton Catalog No. SOL30X4-S-MV-U-F

Delivery program

Product range			Switchgear for photovoltaic systems
Subrange			Fireman's switch
Product range			Fireman's Switch
Application field			Residential buildings Utility buildings
Part no.			SOL-Safety
Rated operational voltage	U _e	V	1000
Inputs number of strings			4
Inputs connection type			M12
Outputs number of strings			4
Outputs connection type			M12

Technical data

General

Standards			IEC/EN 60 947-3
Mounting position			
Mounting position			As required
Description			Application: DC isolation in photovoltaic systems between PV generator and power inverter for disconnecting power Remote tripping with integrated undervoltage release 230 V, 50 Hz Signalling of switch state via auxiliary contact 1 N/O and 1 NC Prewired ready for connection Lockable with padlock in OFF position Spring switch function

Electrical

Number of poles			2 pole
Rated operational voltage	U _e	V	1000
up to 440 V 50/60 Hz	I _{cm}	kA	0.3
Rated short-time withstand current (t=1s)	I _{cw}	kA	0.7
Utilization category			DC-21 A
Overvoltage category/pollution degree			III/3
Rated impulse withstand voltage	U _{imp}	kV	8
Electrical			Operation 500
Internal resistance		mΩ	7

Mechanical

Weight		kg	6.8
Degree of Protection			IP65
Ambient temperature			
Open		°C	-25 - +60
Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Lifespan, mechanical	Operations		100000
Max. operating frequency		Ops/h	120

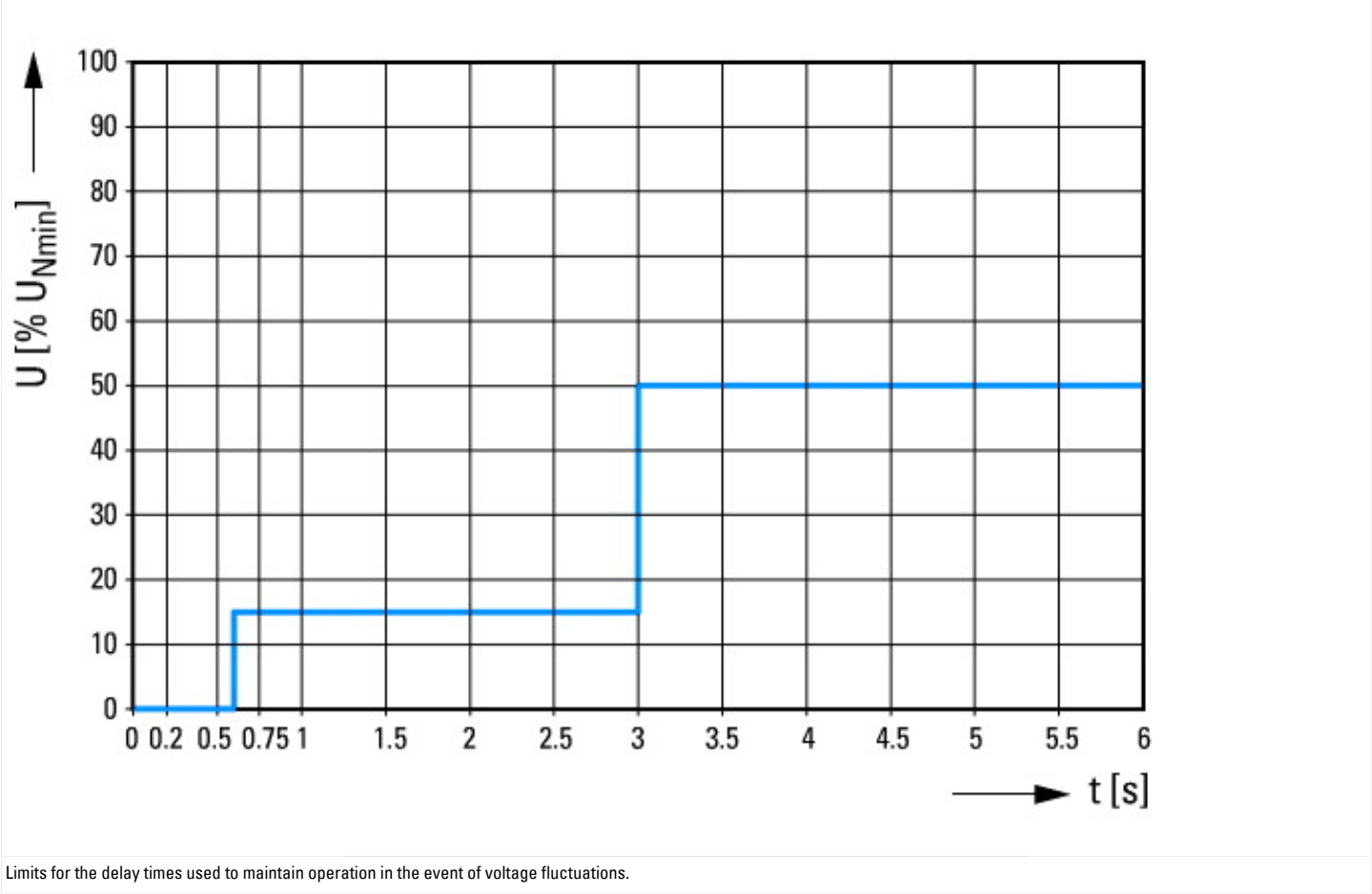
Design verification as per IEC/EN 61439

Technical data for design verification			
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	60

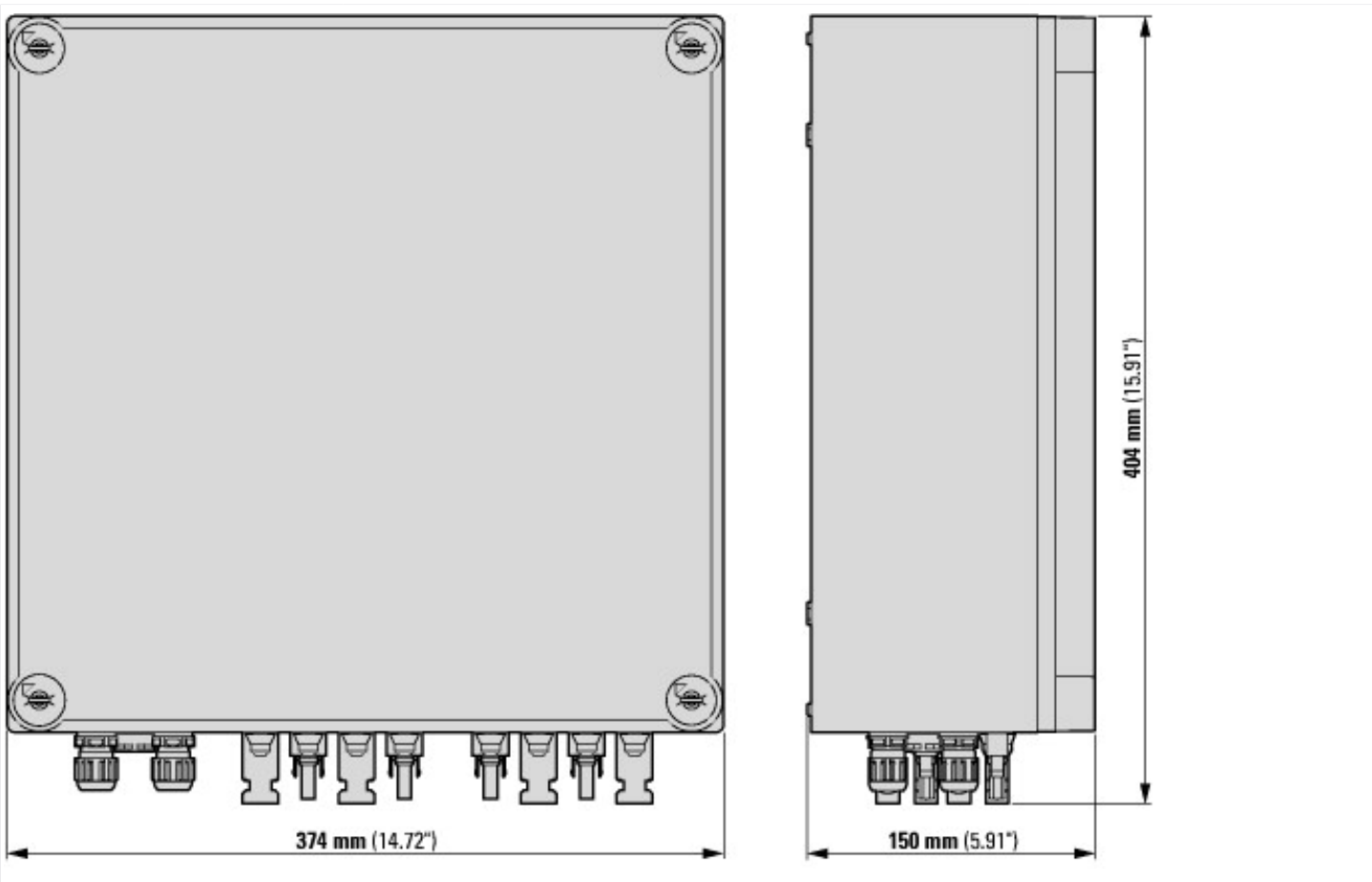
Technical data ETIM 6.0

Low-voltage industrial components (EG000017) / Off-load switch (EC001105)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Changeover switch (ecI@ss8.1-27-37-14-05 [AKF062010])			
Model			On/Off switch
Number of poles			2
With 0 (off) position			Yes
With retraction in 0-position			Yes
Rated permanent current I _u		A	30
Rated operation current I _e at AC-3, 400 V		A	0
Rated operation power at AC-3, 400 V		kW	0
Degree of protection (IP), front side			IP65
Number of auxiliary contacts as normally closed contact			1
Number of auxiliary contacts as normally open contact			1
Number of auxiliary contacts as change-over contact			0
Suitable for ground mounting			Yes
Suitable for front mounting 4-hole			No
Suitable for distribution board installation			No
Suitable for intermediate mounting			No
Complete device in housing			Yes
Type of control element			-
Type of electrical connection of main circuit			Screw connection

Characteristics



Dimensions



Additional product information (links)

IL03402053Z SOL30X...-SAFETY-M...-U(230V,50Hz)	
IL03402053Z SOL30X...-SAFETY-M...-U(230V,50Hz)	ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03402053Z2016_03.pdf
Motor starters and "Special Purpose Ratings" for the North American market	http://www.moeller.net/binary/ver_techpapers/ver953en.pdf
Busbar Component Adapters for modern Industrial control panels	http://www.moeller.net/binary/ver_techpapers/ver960en.pdf