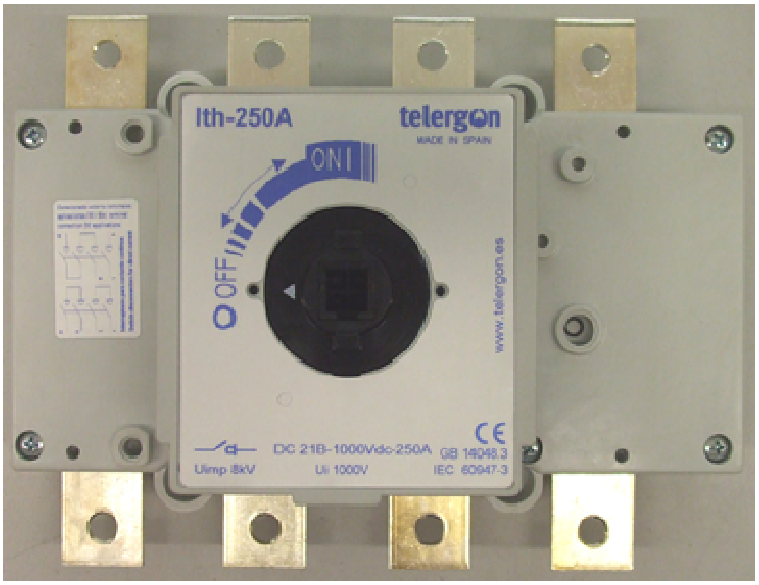
Data sheet:

DC-Load break switch
Model S5000 – 250A 1000V DC21B



Standards. IEC 60947-1 & 3

Quality Telergon, S.A.U.

IS0 9001 & 14001

TÜVRheinland CERTIFIED
Management System
ISO 9001:2008
ISO 14001:2004
www.tuv.com
ID 9105053481

Testing as per IEC 60947-3. Approvals

Austrian Institute of Technology

AUSTRIAN INSTITUTE OF TECHNOLOGY
TOMORROW TODAY

Electrical data (according to IEC 60947-3)

Thermal current Ith (-30 to 50 ºC)	**250A**
Rated insulation voltage Ui (V)	1000
Rated impulse withstand voltage Uimp (kV)	8

DC Rated operational current Ie (A)

Voltage (DC)	Category of operation	I_e
400 V	DC21B	250
600 V	DC21B	250
800 V	DC21B	250
900 V	DC21B	250
1000 V	DC21B	250

*** Please consult for other voltages and/or category of operation*

Short-circuit behaviour

Short-circuit making capacity (peak value)	I_{cm}	20kA
Short-time withstand current (1 sec) (rms)	I_{cw}	12kA
Conditional short-circuit current (rms value)		100kA
Maximum cut-off current (peak value)		33kA

Connection capacity

Bar (Thickness / Width) (mm)	7/25
Rigid cable (mm^2)	185
Max. Connecting copper bar (mm)	25
Tightening torque (N·m)	18

Mechanical data

Minimum number of operations (as per standard) without load	20000
Maximum weight (4 pole molded case) (kg)	1,9

Codes

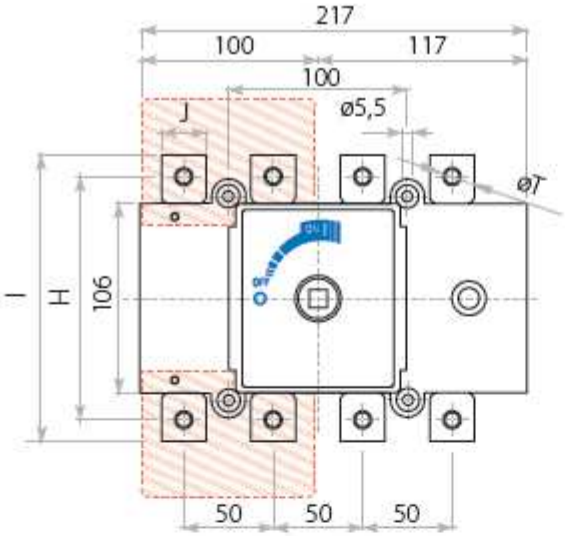
Case size (A)	Poles	Code	Code for direct handle
Size 1	4P	S5-02504PR0	DS-SI11

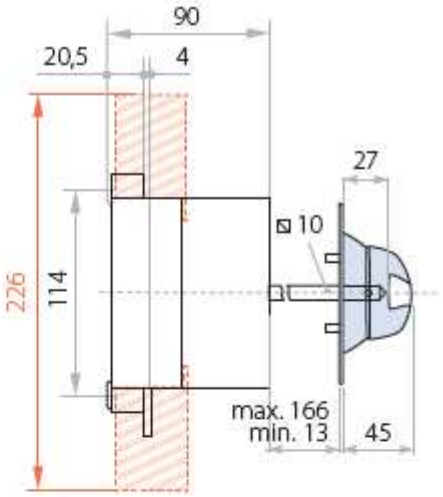
Accessories

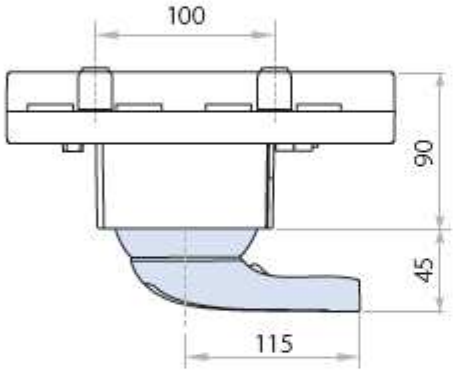
Panel handle	DS-SA11
Bridging links	DS-PI11
Protective plate	DS-CU12
Auxiliary contact	D5LAU01

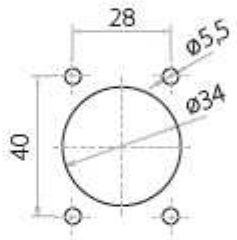
You will find detailed information about our products on our web site www.telergon.es

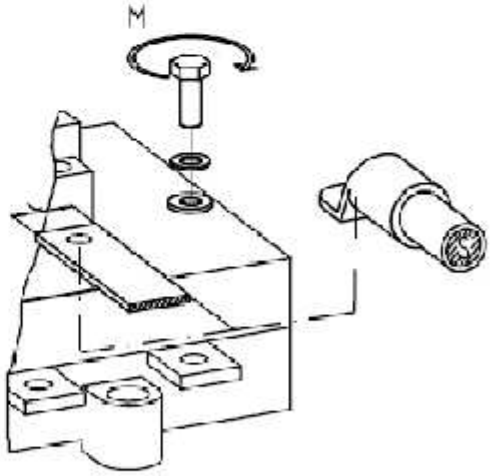
Dimensions











S5000	I_{th}	H	I	J	øT	M N×m	S max. (Cu) mm^2	H max. (Cu) mm	L max. (Cu) mm
1	250A	143	167	25	M10	18	120	7	25

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CE RoHS	**DC Switch-Disconnector** **S5-02504PR0**	*TELERGON, S.A.U.* *Data subject to change without notice (printed: 16/01/2014)*