



Datasheet



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POWER CABLE CUTTERS

SAFETY ULTRASAFE RANGE

→ **SPCCI**



USE

Ultra safe integrated electrohydraulic cable cutters without hydraulic hose to check absence of voltage on underground power cables. Use on the following cables:

Outside diameter	Total conductor cross section	wire steel armour	Steel strip armour	Flat wire steel armour	
Up to 140 mm	From 6 mm ² up to 2500mm ²	Up to Ø 4 mm	Thickness up to 4 mm	Thickness up to 4 mm	

ADVANTAGES

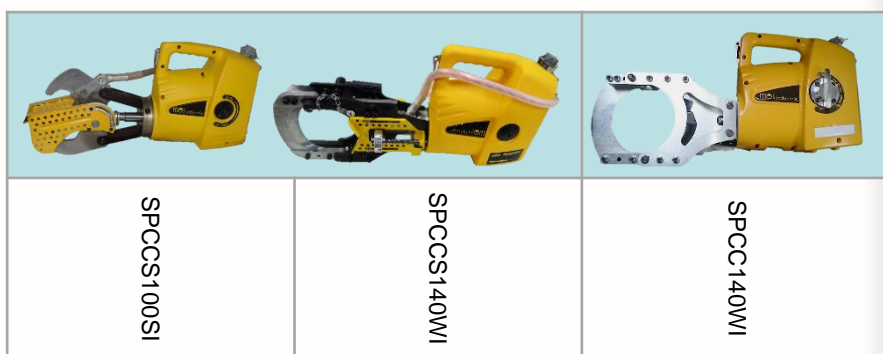
- Network protection by creating a phase-to-earth fault using the PICK.
- Remotely controlled cable cutter for voltage absence check.
- Maximum transited short-circuit current (Ph-G): 31kA/1s or 43kA/0.5s.
- Earthing of the pick as close as possible to the conductor.
- Energy via standard 24 V 3 Ah battery.
- Secure positioning of the tool on the cable.
- Suspension straps for working the tool at height.
- Aluminum earthing cable for easy transport.
- Compact integrated electro-hydraulic unit with automatic double speeds (fast approach / work).
- Eliminates the risks of injuries due to hydraulic hose punctures and saves its related maintenance costs.
- Robust & light: reinforced polyamide structure, aluminum hydraulic and treated steel blades
- Two PICOUP tools 100 and 140 mm openings with pick for pricking and cutting network cables protected by circuit breakers. The pick creates a phase-to-earth fault on one of the 3 phases cut simultaneously. Avoids short circuits between phases generating more damage to the installations.
- Eliminates the need of cartridge powered or manual cable spikers prior the cutting operation.
- Reopening of the cutting blades by double-acting hydraulic force to prevent them from jamming.
- One 140 mm opening cutting tool for transmission voltages single-core cables.
- Remote-controlled cable cutters from a distance up to 100m to protect the user and third parties from the effects of a live cut.
- Soft or rigid transport cases with wheels.



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MAIN TECHNICAL CHARACTERISTICS



Characteristics of cables to be cut:

- Copper conductors	Y	Y	Y
- Aluminum conductors	Y	Y	Y
- Round wire armour (diameter)	N	4mm	3mm
- Flat wire armour (thickness)	2	4mm	3mm
- Strip armour (thickness)	2	4mm	3mm

Fault following network protection:

- Fuses	Three-phase fault		Only on VHV cables
- Circuit breaker	Single phase fault on one phase		One phase per cut

Earthing cables:

- SCI 18kA/1s - 25kA/0.5s (section mm ²)	70Cu	70Cu	/
- SCI 31kA/1s - 43kA/0.5s (section mm ²)	/	/	Without earthing on VHV

Cutting head:

- Maximum cutting diameter (mm)	100	140	140
- Weight without earthing cable (kg)	14	20	20
- Dimensions (mm)	628x165x328	678x188x320	678x188x320
- Cutting blade hardness (Hrc)	55	55	55
- Anti-corrosion treatment of the blades	Zinc plating	Zinc plating	Zinc plating
- Main material	Steel	Steel	Steel
- Replaceable pick	Y	N	N
- Pick hardness (Hrc)	62	/	/
- Main material	High resistance steel	/	/
- Cutting force (ton)	13	21	21

Integrated electro-hydraulic pump:

- Hydraulic pressure (bar)	700	700	700
- Interchangeable battery (BOSCH)	24v 3Ah	24v 3Ah	24v 3Ah
- 2 speeds pump approach/cut (l/min – mm/s)	1.3/0.4 - 4/1	1.3/0.4 - 4/1	1.3/0.4 - 4/1
- Hydraulic distributor	Single acting	Double acting	Double acting
- Blade reopening	Lever + spring return	Selector + hydraulic return	Selector + hydraulic return
- Oil volume (ml)	300	300	300

Remote control :

- Indicative transmission distance / battery	100m / 1.5V AAA		
- Radio frequency	Radio 868 Mhz		
- Indicator lights (flashing / fixed)	Green led (cutting in progress / end of cut) Yellow Led (transmission ok / -) Red Led (- / problem on tool see manual)		

Control box:

- Indicator lights	3 LEDs (red = battery too low no cut not start; yellow = 1 cut of autonomy remaining; green = autonomy OK)		
- Cutting data	2-year storage (accessible at the factory)		

Packaging / miscellaneous:

- Total weight in soft case (kg)	28	34	34
- Dimensions in soft case (mm)	670x180x340	670x180x340	670x180x340
- Total weight in rigid case (kg)	35	42	42
- Dimensions in rigid case (mm)	687x528x376	687x528x376	687x528x376
- Operating temperature (°C)	-20/50	-20/50	-20/50

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COMPONENTS AND ACCESSORIES

PICOUP250  <p>Ref: PCCH250I</p>	PICOUP400  <p>Ref: PCCH400I</p>	Cutting head 140-HTB  <p>Ref: PCCH400I-RTE</p>
Pick PCCH250  <p>Ref: PCCH250-32-K</p>	Pick blade PCCH400  <p>Ref: PCCH400-42-K</p>	Command box  <p>Ref: PCCH250-BT-CSF</p>
Wheel case  <p>Ref: EASYCASE-L</p>	Waterproof tarpaulin wheel soft briefcase  <p>Ref: EASYBAG-250</p>	Battery  <p>Ref: BATTERIE24V3</p>
Battery charger  <p>Ref: CHARGEUR220/24</p>	Remote controller  <p>Ref: PCCH250-38</p>	Earthing cable  <p>Ref: MALT-CU</p>

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Straps for work at height  <p>Ref: SANGLE2B</p>	Protective mat  <p>Ref: TAPISPICOU</p>	Earth stake  <p>Ref: PIQTER-500</p>
Wire brush  <p>Ref: BROSSEMETAL</p>	Shoulder strap  <p>Ref: 01417</p>	

➤ COMPLETE SETS

References of the sets	Packaging
SPCCS100SIV	Waterproof tarpaulin Wheel soft briefcase
SPCCS140WIV	
SPCC140WIV	
SPCCS100SIC	Rigid case with wheels
SPCCS140WIC	
SPCC140WIC	

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