



**Article number:** 231 552  
**Description:** DCS LV 41

Suitable for:	PV stand-alone systems		
Max. operating voltage:	$U_{DC}$	48	V
Max. total operating current:	$I_{DC, max}$	40	A
No. strings (connected in parallel internally):		$\leq 4$	
Gang switch design:		2-channel	
Terminal blocks			
Input:		0.2 - 6	mm <sup>2</sup>
Output:		6 - 35	mm <sup>2</sup>
Dimensions (H x W x D):	(254 x 180 x 165) mm		
Depth including switching toggle:	205 mm		
Housing material:	Polystyrene		
Cable entry points			
Input terminals:	8 x M16		
Output terminals:	2 x M25		
Weight:	2 kg		
Protection class:	II		
Protection class:	IP 65		
Operating temperature range:	-35 °C ... +70 °C		
Max. current (1 hour) operating temperature:	+80 °C		

### DC isolator: DCS LV 41

The **DCS LV 41 DC isolator** is used for the safe separation of the PV generator from the charge regulator in stand-alone systems.

In so doing, it meets the requirements laid down in DIN VDE 0100 part 712 (requirements of photovoltaic supply systems) for isolators.

The DC isolator is used to disconnect from the mains for the purposes of servicing or in the event of an error and also as generator junction box when switching between modules. The internal gang switch and the terminals are already mounted and prewired. This allows fast and safe installation.

This device has been especially designed for 12/24 and 48 Volt stand-alone systems.

### Quality features, certificates

- Safe separation of generator from charge regulator/inverter
- No need for generator junction box
- Simple, fast installation due to pre-fitted connection terminals
- CE mark