

Switches for the future photovoltaic market

The relevance of renewable energy for the world gains in importance each day – photovoltaic plays a prominent leading part in this process. To further the development of this market and to guarantee a safe handling of photovoltaic systems, Salzer has advanced its DC rated load breaking switches. These are audited according to IEC 60947-3 and therefore applicable for every photovoltaic system conforming to IEC 60364-7-712:2002.

Maximum protection for photovoltaic systems

Semiconductor cells are the core component of a photovoltaic panel. Several panels combined make a PV string or solar module. Photons emitted by the sun generate direct current in the PV panels, which can be measured all the way down to the inverter box. For maintenance purposes or in case of emergencies, it is therefore necessary to disconnect the DC load (according to IEC 60364-7). This termination can either be achieved by using connectors or preferably DC rated load breaking switches. With their safe switching technology Salzer DC disconnect switches ensure maximum protection in photovoltaic systems.

We are constantly aiming to expand our range on DC rated switches through new developments.

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Switch on the sun!

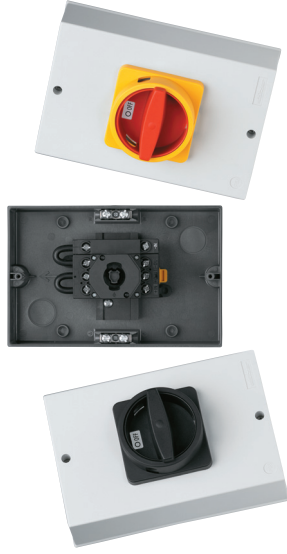
Salzer load breaking switches for your photovoltaic system



Load breaking switches for photovoltaic

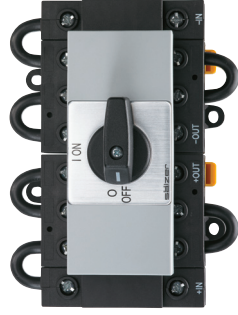
Polycarbonate Enclosures

- IP66 insulated enclosure (polycarbonate)
- With N-padlock device
- Main/Emergency-Off Switch (yellow/red) or Main Switch (black)



Base Mounting Switches

- For panel applications and distribution boards
- With M-handle or padlockable with V-handle
- Main Switch (black)



All load breaking switches from Sälzer switch the plus(+) and minus(-) pole simultaneously.

250 V DC	450 V DC	500 V DC	650 V DC	800 V DC	Enclosure size	Main/Emergency-Off Switch (N-padlock device yellow/red)	Main Switch (N-padlock device black)
32 A	20 A	16 A			6.89 x 4.53 x 3.94 inch	H226-81400-710N4	H226-81400-710N1
		20 A			6.89 x 4.53 x 3.94 inch	H233-81400-710N4	H233-81400-710N1
	25 A				6.89 x 4.53 x 3.94 inch	H233-81500-710N4	H233-81500-710N1
		25 A			6.89 x 4.53 x 3.94 inch	B250-81500-710N4	B250-81500-710N1
	32 A				6.89 x 4.53 x 3.94 inch	B250-81400-710N4	B250-81400-710N1
			20 A		6.89 x 4.53 x 3.94 inch	H226-81600-720N4	H226-81600-720N1
		32 A	25 A		9.84 x 6.3 x 4.72 inch	B240-81600-761N4	B240-81600-761N1
			32 A		9.84 x 6.3 x 4.72 inch	B250-81600-761N4	B250-81600-761N1
			63 A		12.6 x 8.66 x 7.09 inch	H408-81700-977N4	H408-81700-977N1
				20 A	9.84 x 6.3 x 4.72 inch	H226-81800-761N4	H226-81800-761N1
				25 A	11.02 x 7.48 x 5.12 inch	B240-81800-740N4	B240-81800-740N1
				32 A	11.02 x 7.48 x 5.12 inch	B250-81800-740N4	B250-81800-740N1
				50 A	12.6 x 8.66 x 7.09 inch	H408-81800-977N4	H408-81800-977N1

250 V DC	450 V DC	500 V DC	650 V DC	800 V DC	Main Switch (M-handle black)	Main Switch with padlockable handle (V-handle black)
32 A	20 A	16 A			H226-81400-026M1	H226-81400-026V1
		20 A			H233-81400-026M1	H233-81400-026V1
	25 A				H233-81500-026M1	H233-81500-026V1
		25 A			B250-81500-026M1	B250-81500-026V1
	32 A				B250-81400-026M1	B250-81400-026V1
			20 A		H226-81600-026M1	H226-81600-026V1
		32 A	25 A		B240-81600-026M1	B240-81600-026V1
			32 A		B250-81600-026M1	B250-81600-026V1
			63 A		H408-81700-126M1	H408-81700-126V1
				20 A	H226-81800-026M1	H226-81800-026V1
				25 A	B240-81800-026M1	B240-81800-026V1
				32 A	B250-81800-026M1	B250-81800-026V1
				50 A	H408-81800-126M1	H408-81800-126V1