

## Product aid

### MTS - Manual Transfer Switches



Our Manual Transfer Switches (MTS) provide safe isolation in a wide range of low voltage applications where 3- or 4-pole are required.

Thanks to their excellent making and breaking capacity under load conditions they are particularly suited for use in distribution panels and for machine controls.

#### Features and benefits

- **Forced separations and interlocks** help to eliminate the risk of backfeeding, which occurs when electrical power flows in the reverse direction, potentially endangering utility workers and damaging equipment. By physically separating contacts and preventing cross-connection, these features ensure that only the intended source is energised.
- **Clear labelling** helps prevent accidental misuse or incorrect operation of the transfer switch. Operators can quickly identify the correct position for normal and emergency power sources, reducing the risk of electrical accidents and equipment damage.
- **Plug and play bridges;** Unlike traditional wiring methods that require manual connection and technical expertise, these bridges are designed to be easily fitted without the need for complex tools or extensive electrical knowledge. This reduces installation time and minimises the risk of wiring errors.
- **Compact size:** ideal for retrofitting in PV Residential installations. It eliminates the need for a new electrical cabinet, significantly reducing installation costs. Homeowners save on materials, labour, and potential structural modifications, making the upgrade more affordable and accessible.

#### Technical specifications

- Available as 3 or 4-pole
- Rear mounting with or without enclosures
- Rated voltage: 690 VAC
- Rated current: 16 to 63 A
- Standards:
  - DIN EN 60947-3
  - DIN 60947-6-1
  - VDE compliant



3-pole



4-pole



In enclosure

# EATON

Powering Business Worldwide

## MTS - 3- and 4-pole

Number of poles	Thermal current I <sub>the</sub>	Part number	Article number	Pack qty
3P	16 A	MTS-16/Z/3	EP-401727	1
3P	32 A	MTS-32/Z/3	EP-401728	1
3P	40 A	MTS-40/Z/3	EP-401729	1
3P	63 A	MTS-63/Z/3	EP-401730	1
4P	16 A	MTS-16/Z/4	EP-401735	1
4P	32 A	MTS-32/Z/4	EP-401736	1
4P	40 A	MTS-40/Z/4	EP-401737	1
4P	63 A	MTS-63/Z/4	EP-401738	1

## MTS - 3- and 4-pole in enclosure

Number of poles	Thermal current I <sub>the</sub>	Part number	Article number	Pack qty
3P	16 A	MTS-16/ENC/3	EP-401731	1
3P	32 A	MTS-32/ENC/3	EP-401732	1
3P	40 A	MTS-40/ENC/3	EP-401733	1
3P	63 A	MTS-63/ENC/3	EP-401734	1
4P	16 A	MTS-16/ENC/4	EP-401739	1
4P	32 A	MTS-32/ENC/4	EP-401740	1
4P	40 A	MTS-40/ENC/4	EP-401741	1
4P	63 A	MTS-63/ENC/4	EP-401742	1

## MTS - Auxiliary contact

Part number	Article number	Pack qty
MTS-HI11	EP-401743	1

## MTS - Technical data

	Unit	MTS16	MTS32	MTS40	MTS63
Rated insulation voltage U <sub>i</sub>	VAC	690	690	690	690
Rated impulse withstand voltage U <sub>imp</sub>	kV	6	6	6	6
Conventional thermal current I <sub>th</sub>	A	16	32	40	63
Rated conditional short-circuit breaker	kA	6	6	6	6
Frequency	Hz	50/60	50/60	50/60	50/60
Rated operational current					
AC-21A	690 VAC A	16	32	40	63
AC-23A	230 VAC A	11	22	27	38
	400 VAC A	16	22	29	41
	690 VAC A	9	13	17	21
AC-3A	230 VAC A	-	-	-	38
	400 VAC A	-	-	-	35
	690 VAC A	-	-	-	17
AC-31A	230 VAC A	16	32	40	40
	400 VAC A	16	32	40	40
AC-32A	230 VAC A	16	32	40	40
	400 VAC A	16	32	40	40
AC-33A	230 VAC A	16	32	40	40
	400 VAC A	16	32	40	40
Rated operational power					
AC-23A	230 VAC kW	3	6	7.5	11
	400 VAC kW	7.5	11.5	15	22
	690 VAC kW	7.5	11.5	15	18.5
AC-3A	230 VAC kW	3	5.5	7.5	11
	400 VAC kW	5.5	9.5	11.5	18.5
	690 VAC kW	5.5	9.5	11.5	15

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