Flyer
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.
- **The pre-assembled bridges** reduce installation time and minimize the risk of wiring errors.
- **The compact design** is ideal for retrofitting in PV Residential installations. It may eliminate 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.
- **Our manual transfer switch in enclosure** provides several key benefits. The IP65-rated enclosure ensures protection against dust and water ingress. Additionally, where space is limited within an existing electrical cabinet, the enclosed MTS can be installed externally to optimise available space, eliminating the need to invest in a new electrical cabinet.

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_{the}	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_{the}	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 Ui		VAC	690	690	690	690
Rated impulse withstand voltage Uimp		kV	6	6	6	6
Conventional thermal current Ith		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

Eaton
EMEA Headquarters
Route de la Longeraie 7
1110 Morges, Switzerland

Eaton Electrical Products Limited
Unit 1, Hawker Business Park,
Melton Road, Burton-on-the-Wolds
Leicestershire, LE12 5TH
United Kingdom

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