

VRAJ LINK

AUTHORIZED DEALER & DISTRIBUTORS

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ASCO - Automatic Transfer Switches

Power available always when you need it

ASCO Power Technologies is your one stop solution for Transfer Switch solutions to improve power availability by transferring electrical loads to alternate sources of power. Whether you require uninterrupted power supply for critical operations or simply keep the lights on, we have you covered.

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ASCO 7000 SERIES IEC Medium Voltage Power Transfer Switch

ASCO Transfer Switches improve power availability by enabling automatic transfer between sources. The ASCO 7000 SERIES Medium Voltage Automatic Transfer Switch offers various configurations and switching modes (delayed and closed transition) to meet unique application needs and conforms to the IEC 62271-200 standard. Its standard configuration includes PIX RoF Cubicle sections, Normal Source Circuit Breaker section, Emergency Source Circuit Breaker section, and Load feeder section, all operated by ASCO's intelligent Group 5 controller for reliable transfer between sources.



Ordering Information of ASCO 7000 SERIES Medium Voltage Automatic Transfer Switch

E + 7 + A + C + T + P + 0 + 3 + 1250 + 9 + 5 + X + L																							
Interrupting Rating		Product SERIES		Operation Type		Transition Type		Construction		Device Type		Neutral Code		Poles	Amperes		Voltage		Controller	Accessories		Enclosures	
A	25kAIC	7	7000 SERIES	A	Automatic	C	Closed	T	Transfer Switch	P	PIX RoF IEC Dual CB Transfer Switch	0	None	3	0630 0800 1250 2000 2500	3 6 7 9 0	3300V 6600V 7200V 11000V 13800V Other	5	Group 5	0	None	L	IP4X
E	31.5kAIC						D	Delayed												X	Per Acc#		

Contact your local representative for availability of other Voltages

Medium Voltage Transfer Switch Specifications		Additional Features
Voltage Class	12kV or 17.5kV	- ASCO 7000 Series Group 5 Controller - Transition Type: Delayed or Closed - Automatic with Manual Operation mode to facilitate testing. - Contacts for source acceptability. (18B & 18G) - LED Indication of source status - Output contact for disconnecting load before and/ or after transfer (31Z) - Thermostat controlled heater in each breaker and cable section for condensation control - Air Insulated PIX RoF Switchgear Cubicles with EasyPact EXE breakers - Integrated earthing solution for cables and busbars through interlocked earthing switch - Segregated controls - Convenience light and outlet in low voltage compartments.
Nominal System Voltage	3.3kV, 6.6kV, 7.2kV, 11kV, 13.8kV	
Ampacity Rating	630A, 800A, 1250A, 2000A, 2500A	
Number of Sections	3	
IEC 62271-200	Yes	
Internal Arc Classification (IAC)	Default: AFLR Up to 31.5kA for 0.1 second; Optional: AFLR Up to 31.5kA for 1 second (Accessory 138AC)	
Cable Entry	Bottom Default; Top Optional (Accessory 138*)	
Draw Out Circuit Breakers	Yes	
Automatic Shutters	Yes	
Coating - Powder Coated Polyester	Color RAL 9003	
Enclosure Rating	IP4X (Indoor)	
Protective Relays	Optional (Accessories 118PE and 118PN)	
Ethernet/Serial Communications	Optional (Accessory 72EE2)	
Power Metering	Optional (Accessory 135L)	
Top Cable Entry	Optional (Accessories 138CL, 138CN, 138CE)	
Surge Protection	Optional (Accessories 73MV1 and 73MV2)	
Operating Conditions	Ambient Temp -5C to +40C; Relative Humidity over a 24 hour period <95%, over a 1 month period <90%; Installation altitude above sea level < 1000m*	

*Note: Contact Sales representative for derating options outside of published operating conditions.



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The **7000 SERIES** Automatic Transfer Bypass-Isolation Switch is designed for critical applications where uninterrupted power is essential.

- Allows bypass-isolation without load interruption
- Primary transfer switch can be inspected, tested, and maintained without interrupting power to the load
- Transfer switch and bypass transfer switch have identical electrical ratings
- Range: 150 to 4000A
- Draw-out design allows for easy transfer switch maintenance
- Open Transition (OTTS), Closed Transition (CTTS) and Delayed Transition (DTTS) Designs

Series 7000/300, Automatic Transfer Switch (ASCO)

7000/300 Series Power Transfer Switches are available in open and enclosed variants, ranging from 30 to 4000 amps (LV) & 1200 to 3000A (MV) with wide range of accessories. All switching configurations (OTTS, DTTS, CTTS) are available with optional integrated bypass-isolation switch.



Series 7000/300, Automatic Transfer Switch (ASCO)

Frame	Rating(A)	Controller Type	Reference (4P, Overlapping Neutral)	Unit MRP [₹]	Controller Type	Reference (4P, Overlapping Neutral)	Unit MRP [₹]
D	30	Series 7000 Group 5 Controller	D07ATSC30030K500	On Request	Series 300 Group G Controller	D03ATSC30030KG00	On Request
	70		D07ATSC30070K500	On Request		D03ATSC30070KG00	On Request
	104		D07ATSC30100K500	On Request		D03ATSC30104KG00	On Request
	150		D07ATSC30150K500	On Request		D03ATSC30150KG00	On Request
	200		D07ATSC30200K500	On Request		D03ATSC30200KG00	On Request
	230		D07ATSC30230K500	On Request		D03ATSC30230KG00	On Request
J	260	Series 7000 Group 5 Controller	J07ATSC30260K500	On Request		J03ATSC30260KG00	On Request
	400		J07ATSC30400K500	On Request		J03ATSC30400KG00	On Request
	600		J07ATSC30600K500	On Request		J03ATSC30600KG00	On Request
H	800	Series 7000 Group 5 Controller	H07ATSC30800K500	On Request		H03ATSC30800KG00	On Request
	1000		H07ATSC31000K500	On Request		H03ATSC31000KG00	On Request
	1200		H07ATSC31200K500	On Request		H03ATSC31200KG00	On Request
G	1600	Series 7000 Group 5 Controller	G07ATSC31600K500	On Request		G03ATSC31600KG00	On Request
	2000		G07ATSC32000K500	On Request		G03ATSC32000KG00	On Request
	2600		G07ATSC32600K500	On Request		G03ATSC32600KG00	On Request
	3000		G07ATSC33000K500	On Request		G03ATSC33000KG00	On Request
	3200		G07ATSC33200K500	On Request		G03ATSC33200KG00	On Request
	4000		G7ATSC34000K5X40RM	On Request		-	-

- Conforming to UL 1008
- Fast & Consistent Transfer (Less than 100ms)
- Single Solenoid True Double throw Design
- High Withstanding & Closing-On Fault Currents (WCR)
- Neutral Overlap to eliminate Voltage Transients
- In-Phase Monitor to avoid Motor Inrush current

- Engine Start/Stop, AMF Logic & Time Delay Setting
- Programmable Daily/Weekly Engine Exerciser
- 4 Line LCD + LED Display
- 99 Events Log & Diagnostics with Date/Time
- Statistical ATS System Monitoring Information
- Communication Compatible (Modbus/Ethernet)

- 2P, 3P & 4P with solid neutral/Switched Neutral are available
- ATS with stand alone Type Tested NEMA Enclosure available
- For Series 7000 Close Transition, Bypass Option & Medium Voltage ATS offer please contact Customer Care Centre

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

✓ NORMAL STOCK ITEMS

W.E.F. February 03rd, 2025

WOTPC, Automatic transfer switch

- Conforming to IEC 60947-6-1
- Solenoid operated, Built-in Microprocessor Controller
- 1000-4000 Amps in same compact frame
- Utilization Category: AC 33A
- Mechanical Endurance: 20,000 ops
- Rated Short circuit withstand of 65 kA, 3sec
- Built in RS 485 port for communication



Rating (amps)	Poles	Reference	Unit MRP [₹]	Poles	Reference	Unit MRP [₹]
1000	3P	OT10003D5VI	On Request	4P	OT10004D5VI	On Request
1250	3P	OT12503D5VI	On Request	4P	OT12504D5VI	On Request
1600	3P	OT16003D5VI	On Request	4P	OT16004D5VI✓	On Request
2000	3P	OT20003D5VI	On Request	4P	OT20004D5VI✓	On Request
2500	3P	OT25003D5VI	On Request	4P	OT25004D5VI✓	On Request
3200	3P	OT32003D5I	On Request	4P	OT32004D5I✓	On Request
4000	3P	OT40003D5I	On Request	4P	OT40004D5I	On Request

*above references are with vertical termination, for horizontal terminal please contact customer care

WOTPC Accessories



The transfer switch connects to the controller through extension harness. The controller automatically transfers between the utility and backup source.

Description	Reference	Unit MRP [₹]
Phase Partition (Each)	W0OT0001I	On Request
Extension Harness (4m)	W0OT0002I	On Request
Copper bar for Vertical Wiring	W0OT0003I	On Request

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

✓ NORMAL STOCK ITEMS

W.E.F. February 03rd, 2025

Advanced transfer switch to maximize

NEW

UPTIME



"TransferPacT Active Automatic is now ready to deliver maximum uptime and safety with a complete range from 32A to 1600A

- Conforming to IEC 60947-6-1
- Optimize panel space by up to 30%, saving cost and improving efficiency
- Ultra fast transfer speed for better power availability
- Solenoid operated, Built - in Microprocessor Controller
- Robust design
- Utilization Category: AC 33A/B
- Poles: 3,4
- Scalable with plug and play - 10 function modules
- Connectivity with compliance to cyber security standard IEC 62443 - SL1

TransferPacT™ Active Automatic



Environmental data program

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TransferPacT Active Automatic



TransferPacT is an Ecostruxure-ready advance transfer switch to maximize reliability and uptime for your facility.

- Conforming to IEC 60947-6-1
- Solenoid operated, Built-in Microprocessor Controller
- Fast transfer time of <500ms
- 2,3 and 4 Pole configuration ranging within 32-800A
- Three position, Open transition transfer switch
- Extreme Environment proof with operating temperature of -25 to 70°C
- Utilization Category: AC 33A/B
- Tested for Total Discrimination with ComPacT NSXm Circuit breakers for seamless integration.
- Scalable with plug and play - 10 function modules
- Connectivity with compliance to cyber security standard IEC 62443, SL1 Level

Frame		TA10					TA16		
Rating (amps)	Poles*	Reference	Unit MRP [₹]	Poles*	Reference	Unit MRP [₹]	Poles*	Reference	Unit MRP [₹]
32	2P	TA10D2L0323TPE	On Request	4P	TA10D4L0324TPE	On Request	-	-	-
40	2P	TA10D2L0403TPE	On Request	4P	TA10D4L0404TPE	On Request	-	-	-
50	2P	TA10D2L0503TPE	On Request	4P	TA10D4L0504TPE	On Request	-	-	-
63	2P	TA10D2L0633TPE	On Request	4P	TA10D4L0634TPE	On Request	-	-	-
80	2P	TA10D2L0803TPE	On Request	4P	TA10D4L0804TPE	On Request	4P	TA16D4L0804TPE	On Request
100	2P	TA10D2L1003TPE	On Request	4P	TA10D4L1004TPE	On Request	4P	TA16D4L1004TPE	On Request
125		-	-	-	-	-	4P	TA16D4L1254TPE	On Request
160		-	-	-	-	-	4P	TA16D4L1604TPE	On Request

*For 3P ATS, please contact Customer Care Centre.

Frame		TA25			TA63		
Rating (amps)	Poles*	Reference	Unit MRP [₹]	Poles*	Reference	Unit MRP [₹]	
200	4P	TA25D4L2004TPE	On Request	-	-	-	
250	4P	TA25D4L2504TPE	On Request	-	-	-	
320	-	-	-	4P	TA63D4L3204TPE	On Request	
400	-	-	-	4P	TA63D4L4004TPE	On Request	
500	-	-	-	4P	TA63D4L5004TPE	On Request	
630	-	-	-	4P	TA63D4L6304TPE	On Request	

*For 3P ATS, please contact Customer Care Centre.

Frame		TA80			TA1A		
Rating (amps)	Poles*	Reference	Unit MRP [₹]	Poles*	Reference	Unit MRP [₹]	
800	4P	TA80D4L8004TPE	On Request	4P	TA1AD4L8004TPE	On Request	
1000	-	-	-	4P	TA1AD4L10H4TPE	On Request	
1200	-	-	-	4P	TA1AD4L12H4TPE	On Request	
1600	-	-	-	4P	TA1AD4L16H4TPE	On Request	

*For 3P ATS, please contact Customer Care Centre.

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

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TransferPacT Active Automatic

TransferPacT Active Automatic Accessories



HMI cable



External HMI



Function Module

TransferPacT Active Automatic is designed to provide maximum scalability with plug and play function modules (no increase in the footprint) and intuitive external HMI.

Accessory Type	Description	Reference	Unit MRP [₹]
Communication function modules	Modbus RTU (Serial Port)	TPCCOM16	On Request
	BUS extension and 24 Vdc auxiliary supply	TPCDIO15	On Request
Fire Protection function modules	Fire protection,24VDC pulse	TPCDIO10	On Request
	Fire protection,24VDC constant	TPCDIO11	On Request
	Fire protection,230VAC constant	TPCDIO13	On Request
	Fire protection,dry contact	TPCDIO14	On Request
Control and Signalling function modules	Genset start and Alarm	TPCDIO17	On Request
	Load shedding and Availability warning	TPCDIO05	On Request
	Transfer inhibit and Remote testing	TPCDIO07	On Request
	Voluntary Remote Control	TPCDIO08	On Request
Display Modules	External HMI	TPCCIF04	On Request
	LCD display	TPCCIF01	On Request
	Rotary display	TPCCIF02	On Request
	IP54 cover	TPCOTH37	On Request

*For more details on accessories, please contact Customer Care Centre.

Circuit Breaker/Transfer Switching Equipment Coordination

Upstream: ComPacT NSXm

Downstream: TransferPacT TA10, TA16

Ue: ≤440 V AC

Load side			TSE		TA10						TA16			
			Rating (A)		32	40	50	63	80	100	80	100	125	160
			Ith (A) 60°C		32	40	50	63	80	100	80	100	125	160
			Icw (kA)		3	3	3	3	3	3	5.5	5.5	5.5	5.5
			Icm (kA)		15	15	15	15	15	15	20	20	20	20
Supply side Icu			Icu (kA)											
Circuit breaker:			415 V	440 V	I _r (A)									
			TSE conditionnal short-circuit current and related making capacity:											
NSXm E TMD Micrologic 4.1	16	10	I _r ≤ 32		T	T	T	T	T	T	T	T	T	T
			I _r ≤ 40			T	T	T	T	T	T	T	T	T
			I _r ≤ 50				T	T	T	T	T	T	T	T
			I _r ≤ 63				T	T	T	T	T	T	T	T
			I _r ≤ 80						T	T	T	T	T	T
			I _r ≤ 100							T		T	T	T
			I _r ≤ 125										T	T
NSXm B TMD Micrologic 4.1	25	20	I _r ≤ 32		T	T	T	T	T	T	T	T	T	T
			I _r ≤ 40			T	T	T	T	T	T	T	T	T
			I _r ≤ 50				T	T	T	T	T	T	T	T
			I _r ≤ 63				T	T	T	T	T	T	T	T
			I _r ≤ 80						T	T	T	T	T	T
			I _r ≤ 100							T		T	T	T
			I _r ≤ 125										T	T
NSXm F TMD Micrologic 4.1	36	35	I _r ≤ 32		T	T	T	T	T	T	T	T	T	T
			I _r ≤ 40			T	T	T	T	T	T	T	T	T
			I _r ≤ 50				T	T	T	T	T	T	T	T
			I _r ≤ 63				T	T	T	T	T	T	T	T
			I _r ≤ 80						T	T	T	T	T	T
			I _r ≤ 100							T		T	T	T
			I _r ≤ 125										T	T
NSXm N TMD Micrologic 4.1	50	50	I _r ≤ 32		36/75	36/75	36/75	36/75	36/75	36/75	T	T	T	T
			I _r ≤ 40			36/75	36/75	36/75	36/75	36/75	T	T	T	T
			I _r ≤ 50				36/75	36/75	36/75	36/75	T	T	T	T
			I _r ≤ 63					36/75	36/75	36/75	T	T	T	T
			I _r ≤ 80						36/75	36/75	T	T	T	T
			I _r ≤ 100							36/75		T	T	T
			I _r ≤ 125										T	T
NSXm N TMD Micrologic 4.1	70	65	I _r ≤ 32		36/75	36/75	36/75	36/75	36/75	36/75	T	T	T	T
			I _r ≤ 40			36/75	36/75	36/75	36/75	36/75	T	T	T	T
			I _r ≤ 50				36/75	36/75	36/75	36/75	T	T	T	T
			I _r ≤ 63					36/75	36/75	36/75	T	T	T	T
			I _r ≤ 80						36/75	36/75	T	T	T	T
			I _r ≤ 100							36/75		T	T	T
			I _r ≤ 125										T	T

T

: Protection of the Transfer Switching Equipment is ensured but combination not very relevant

T

: Transfer Switching Equipment is totally coordinated up to the I_{cu} of the circuit breaker installed on supply side

36/75

: Transfer Switching Equipment is protected up to 36 kA rms / 75 kA peak

: Protection of the Transfer Switching Equipment is not ensured.

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

✓ NORMAL STOCK ITEMS

W.E.F. February 03rd, 2025

Circuit Breaker/Transfer Switching Equipment Coordination

Upstream: ComPacT NSX100-250

Downstream: TransferPacT TA10, TA16

Ue: ≤440 V AC

Load side		TSE			TA10						TA16			
		Rating (A)			32	40	50	63	80	100	80	100	125	160
		Ith (A) 60°C			32	40	50	63	80	100	80	100	125	160
		Icw (kA)			3	3	3	3	3	3	5.5	5.5	5.5	5.5
Supply side Icu		Icm (kA)			15	15	15	15	15	15	20	20	20	20
		Icu (kA)												
Circuit breaker:		415 V	440 V	Ir (A)	TSE conditionnal short-circuit current and related making capacity:									
NSX100B NSX160B TMD/TMG/ Micrologic	25	20	Ir ≤ 32	T	T	T	T	T	T	T	T	T	T	T
			Ir ≤ 40		T	T	T	T	T	T	T	T	T	T
			Ir ≤ 50			T	T	T	T	T	T	T	T	T
			Ir ≤ 63				T	T	T	T	T	T	T	T
			Ir ≤ 80						T		T	T	T	T
			Ir ≤ 100						T		T	T	T	T
			Ir ≤ 125									T	T	T
NSX250B TMD/TMG/ Micrologic	25	20	Ir ≤ 160											T
			Ir ≤ 32	T	T	T	T	T	T	T	T	T	T	T
			Ir ≤ 40		T	T	T	T	T	T	T	T	T	T
			Ir ≤ 50			T	T	T	T	T	T	T	T	T
			Ir ≤ 63				T	T	T	T	T	T	T	T
			Ir ≤ 80						T		T	T	T	T
			Ir ≤ 100						T		T	T	T	T
NSX100F NSX160F TMD/TMG/ Micrologic	36	35	Ir ≤ 125									T	T	T
			Ir ≤ 160											T
			Ir ≤ 32	T	T	T	T	T	T	T	T	T	T	T
			Ir ≤ 40		T	T	T	T	T	T	T	T	T	T
			Ir ≤ 50			T	T	T	T	T	T	T	T	T
			Ir ≤ 63				T	T	T	T	T	T	T	T
			Ir ≤ 80						T		T	T	T	T
NSX250F TMD/TMG/ Micrologic	36	35	Ir ≤ 100						T		T	T	T	T
			Ir ≤ 125									T	T	T
			Ir ≤ 160											T
			Ir ≤ 32	25/52	25/52	25/52	25/52	25/52	25/52	25/52	T	T	T	T
			Ir ≤ 40		25/52	25/52	25/52	25/52	25/52	25/52	T	T	T	T
			Ir ≤ 50			25/52	25/52	25/52	25/52	25/52	T	T	T	T
			Ir ≤ 63				25/52	25/52	25/52	25/52	T	T	T	T
NSX100N/H NSX160N/H TMD/TMG/ Micrologic	50/ 70	50/ 65	Ir ≤ 80					25/52	25/52		T	T	T	T
			Ir ≤ 100					36/75	36/75		T	T	T	T
			Ir ≤ 125								T	T	T	T
			Ir ≤ 160											T
			Ir ≤ 32	36/75	36/75	36/75	36/75	36/75	36/75	36/75	T	T	T	T
			Ir ≤ 40		36/75	36/75	36/75	36/75	36/75	36/75	T	T	T	T
			Ir ≤ 50			36/75	36/75	36/75	36/75	36/75	T	T	T	T
NSX250N/H TMD/TMG/ Micrologic	50/ 70	50/ 65	Ir ≤ 63				36/75	36/75	36/75	36/75	T	T	T	T
			Ir ≤ 80					36/75	36/75		T	T	T	T
			Ir ≤ 100						36/75		T	T	T	T
			Ir ≤ 125								T	T	T	T
			Ir ≤ 160											T
			Ir ≤ 32	25/52	25/52	25/52					T	T	T	T
			Ir ≤ 40		25/52	25/52	25/52	25/52	25/52	25/52	T	T	T	T

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

✓ NORMAL STOCK ITEMS

W.E.F. February 03rd, 2025

Circuit Breaker/Transfer Switching Equipment Coordination

Upstream: ComPacT NSX100-250

Downstream: TransferPacT TA10, TA16

Ue: ≤440 V AC

Load side			TSE			TA10						TA16			
			Rating (A)			32	40	50	63	80	100	80	100	125	160
			Ith (A) 60°C			32	40	50	63	80	100	80	100	125	160
			Icw (kA)			3	3	3	3	3	3	5.5	5.5	5.5	5.5
			Icm (kA)			15	15	15	15	15	15	20	20	20	20
Supply side			Icu (kA)												
Circuit breaker:			415 V	440 V	Ir	TSE conditionnal short-circuit current and related making capacity:									
NSX100S/L/R NSX160S/L/R TMD/TMG/ Micrologic	100/ 150/ 200	90/ 150/ 200	Ir ≤ 32			36/75	36/75	36/75	36/75	36/75	36/75	65/143	65/143	65/143	65/143
			Ir ≤ 40			36/75	36/75	36/75	36/75	36/75	36/75	65/143	65/143	65/143	65/143
			Ir ≤ 50			36/75	36/75	36/75	36/75	36/75	36/75	65/143	65/143	65/143	65/143
			Ir ≤ 63			36/75	36/75	36/75	36/75	36/75	36/75	65/143	65/143	65/143	65/143
			Ir ≤ 80			36/75	36/75	36/75	36/75	36/75	36/75	65/143	65/143	65/143	65/143
			Ir ≤ 100			36/75	36/75	36/75	36/75	36/75	36/75	65/143	65/143	65/143	65/143
			Ir ≤ 125			36/75	36/75	36/75	36/75	36/75	36/75	65/143	65/143	65/143	65/143
			Ir ≤ 160			36/75	36/75	36/75	36/75	36/75	36/75	65/143	65/143	65/143	65/143
NSX250S/L/R TMD/TMG/ Micrologic	100/ 150/ 200	90/ 150/ 200	Ir ≤ 32			25/52	25/52	25/52	25/52	25/52	25/52	65/143	65/143	65/143	65/143
			Ir ≤ 40			25/52	25/52	25/52	25/52	25/52	25/52	65/143	65/143	65/143	65/143
			Ir ≤ 50			25/52	25/52	25/52	25/52	25/52	25/52	65/143	65/143	65/143	65/143
			Ir ≤ 63			25/52	25/52	25/52	25/52	25/52	25/52	65/143	65/143	65/143	65/143
			Ir ≤ 80			25/52	25/52	25/52	25/52	25/52	25/52	65/143	65/143	65/143	65/143
			Ir ≤ 100			25/52	25/52	25/52	25/52	25/52	25/52	65/143	65/143	65/143	65/143
			Ir ≤ 125			25/52	25/52	25/52	25/52	25/52	25/52	65/143	65/143	65/143	65/143
			Ir ≤ 160			25/52	25/52	25/52	25/52	25/52	25/52	65/143	65/143	65/143	65/143

T

: Protection of the Transfer Switching Equipment is ensured but combination not very relevant

T

: Transfer Switching Equipment is totally coordinated up to the Icu of the circuit breaker installed on supply side

36/75

: Transfer Switching Equipment is protected up to 36 kA rms / 75 kA peak

: Protection of the Transfer Switching Equipment / circuit breaker is not ensured.

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

☒ NORMAL STOCK ITEMS

W.E.F. February 03rd, 2025

Circuit Breaker/Transfer Switching Equipment Coordination

Upstream: ComPacT NSX100-630 NS630b NS800L/H/L

Downstream: TransferPacT Automatic TA25, TR25, TA63, TR63, TA80, TR80

Ue: ≤440 V AC

Load side				TSE			TA25, TR25				TA63, TR63				TA80, TR80
				Rating (A)			100	160	200	250	320	400	500	630	800
				Ith (A) 60°C			100	160	200	250	320	400	500	630	800
				Icw (kA)			15/0.1s	15/0.1s	15/0.1s	15/0.1s	25/0.1s	25/0.1s	25/0.1s	25/0.1s	25/0.1s
							10/0.5s	10/0.5s	10/0.5s	10/0.5s	20/0.5s	20/0.5s	20/0.5s	20/0.5s	20/0.5s
							8/1s	8/1s	8/1s	8/1s	15/1s	15/1s	15/1s	15/1s	15/1s
				Icm (kA)			30	30	30	30	40	40	40	40	40
Supply side				Icu (kA)											
Circuit breaker:				415 V	440 V	Ir	TTSE conditionnal short-circuit current and related making capacity:								
NSX100B/F/N/H/S/L				Ir≤100			T	T	T	T	T	T	T	T	
NSX160B/F/N/H/S/L				Ir≤160				T	T	T	T	T	T	T	
NSX250B/F/N/H/S/L				Ir≤200					T	T	T	T	T	T	
TMD/TMG/ Micrologic				Ir≤250						T	T	T	T	T	
NSX100R				Ir≤100			T	T	T	T	T	T	T	T	
NSX250R				Ir≤160				T	T	T	T	T	T	T	
TMD/TMG/ Micrologic				Ir≤200					T	T	T	T	T	T	
				Ir≤250						T	T	T	T	T	
NSX400F/N/H/S/L				Ir=100			T	T	T	T	T	T	T	T	
NSX630F/N/H/S/L				Ir≤160				T	T	T	T	T	T	T	
Micrologic				Ir≤200					T	T	T	T	T	T	
Note:				Ir≤250						T	T	T	T	T	
Min. In 100 A				Ir≤320							T	T	T	T	
Max. In 570A				Ir≤400							T	T	T	T	
				Ir≤500								T	T	T	
				Ir≤630									T	T	
NSX400R				Ir=100			150/330	150/330	150/330	150/330	T	T	T	T	
NSX630R				Ir≤160				150/330	150/330	150/330	T	T	T	T	
Micrologic				Ir≤200					150/330	150/330	T	T	T	T	
Note:				Ir≤250						150/330	T	T	T	T	
Min. In 100 A				Ir≤320							T	T	T	T	
Max. In 570A				Ir≤400								T	T	T	
				Ir≤500									T	T	
				Ir≤630										T	
NS630b/800 N				Ir≤320							20/50	20/50	20/50	20/50	
				Ir≤400								20/50	20/50	20/50	
				Ir≤500									20/50	20/50	
				Ir≤630										20/50	
				Ir≤800										20/50	
NS630b/800H				Ir≤320							20/50	20/50	20/50	20/50	
				Ir≤400								20/50	20/50	20/50	
				Ir≤500									20/50	20/50	
				Ir≤630										20/50	
				Ir≤800										20/50	
NS630b/800 L				Ir≤320							T	T	T	T	
				Ir≤400								T	T	T	
				Ir≤500									T	T	
				Ir≤630										T	
				Ir≤800										T	

T

: Transfer Switching Equipment is totally coordinated up to the Icu of the circuit breaker installed on supply side

150/330

: Transfer Switching Equipment is protected up to 150 kA rms / 330 kA peak

: Protection of the Transfer Switching Equipment / circuit breaker is not ensured.

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

✓ NORMAL STOCK ITEMS

W.E.F. February 03rd, 2025

Circuit Breaker/Transfer Switching Equipment Coordination

Upstream: ComPacT NS630b to 1600/ MasterPact MTZ1/MTZ2

Downstream: TransferPacT Automatic TA1A

Ue: ≤440 V AC

Load side		TSE		TA1A(1600)			
		Rating (A)		800	1000	1250	1600
		Ith (A) 60°C		32	40	50	63
		Icw (kA)		70/0.1s 50/0.5s	70/0.1s 50/0.5s	70/0.1s 50/0.5s	70/0.1s 50/0.5s
		Icm (kA)		105	105	105	105
Supply side		Icu (kA)					
Circuit breaker:		415 V	440 V	Ir	TTSE conditionnal short-circuit current and related making capacity:		
NS630b-1600N	50	50	Ir≤800	T	T	T	T
			Ir≤1000		T	T	T
			Ir≤1250			T	T
			Ir≤1600				T
NS630b/1600H	70	65	Ir≤800	T	T	T	T
			Ir≤1000		T	T	T
			Ir≤1250			T	T
			Ir≤1600				T
NS630b/1000 L	150	130	Ir≤800	T	T	T	T
			Ir≤1000		T	T	T
			Ir≤800	T	T	T	T
			Ir≤1000		T	T	T
MTZ1 H1 06-16	42	42	Ir≤800	T	T	T	T
			Ir≤1000		T	T	T
			Ir≤1250			T	T
			Ir≤1600				T
MTZ1 H2 06-16	50	50	Ir≤800	T	T	T	T
			Ir≤1000		T	T	T
			Ir≤1250			T	T
			Ir≤1600				T
MTZ1 H3 06-16	66	66	Ir≤1250			T	T
			Ir≤1600				T
			Ir≤800	T	T	T	T
			Ir≤1000		T	T	T
			Ir≤1250			T	T
			Ir≤1600				T
MTZ1 L1 06-10	150	130	Ir≤800	T	T	T	T
			Ir≤1000		T	T	T
			Ir≤800	T	T	T	T
			Ir≤1000		T	T	T
MTZ2 N1 08-20	42	42	Ir≤1250			T	T
			Ir≤1600				T
			Ir≤800	50/105	50/105	50/105	50/105
			Ir≤1000		50/105	50/105	50/105
MTZ2 H1 08-20	66	66	Ir≤1250			50/105	50/105
			Ir≤1600				50/105
			Ir≤800	50/105	50/105	50/105	50/105
			Ir≤1000		50/105	50/105	50/105
MTZ2 H2 08-20	100	100	Ir≤1250			50/105	50/105
			Ir≤1600				50/105

T

: Total coordination, Transferpact is protected up to Icu of downstream circuit-breaker

50/105

: Transferpact is protected up to 70 kArms/130 kA peak of presumed short-circuit current

: Protection of the Transfer Switching Equipment / circuit breaker is not ensured.

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

☒ NORMAL STOCK ITEMS

W.E.F. February 03rd, 2025

WATSN (ATS and RTS)

WATSN is a Compact , Easy and Scalable Transfer Switch for safe and reliable source management.

- Conforming to IEC 60947-6-1
- Automatic and Remote Transfer switches
- Three Position, Open Transition Transfer Switch
- 2,3,4 pole configurations ranging within 63 -630A
- Fast Transfer Speed of <100ms
- Solenoid operated, Built-in Microprocessor Controller(for ATS)
- Reduced size and footprint upto 30%
- Tested for Total Discrimination with EasyPacT CVS Circuit breakers for seamless integration in the power train.
- Utilization Category: AC 33B



WATSN Automatic Transfer Switch

Rating (amps)	Poles	Reference	Unit MRP [₹]	Poles	Reference	Unit MRP [₹]	Poles	Reference	Unit MRP [₹]
63	2P	NA00632V	41000	3P	NA00633V	42500	4P	NA00634V ✓	43500
100	2P	NA01002V	51500	3P	NA01003V	53000	4P	NA01004V ✓	55000
160	2P	N2A01602V	82000	3P	N2A01603V	83000	4P	N2A01604V ✓	84000
250	-	-	-	3P	NA02503V	150000	4P	NA02504V ✓	155000
400	-	-	-	3P	NA04003V	255000	4P	NA04004V ✓	275000
630	-	-	-	3P	NA06303V	320000	4P	NA06304V ✓	330000

WATSN Remote Transfer Switch

Rating (amps)	Poles	Reference	Unit MRP [₹]	Poles	Reference	Unit MRP [₹]	Poles	Reference	Unit MRP [₹]
63	2P	NR00632	On Request	3P	NR00633	On Request	4P	NR00634	On Request
100	2P	NR01002	On Request	3P	NR01003	On Request	4P	NR01004	On Request
160	2P	N2R01602	On Request	3P	N2R01603	On Request	4P	N2R01604	On Request
250	2P	-	-	3P	NR02503	On Request	4P	NR02504	On Request
400	2P	-	-	3P	NR04003	On Request	4P	NR04004	On Request
630	2P	-	-	3P	NR06303	On Request	4P	NR06304	On Request

WATSN Accessories



Function Module



T-Helper

WATSN is a simple and scalable transfer switch with add-on function modules.(Any two function modules can be connected at a time)

Accessory Type	Description	Reference	Unit MRP [₹]
Fire Protection function modules	DC24V Constant voltage fire linkage	NF001	On Request
	DC24V Pulse fire linkage	NF002	On Request
	AC220V Constant voltage fire linkage	NF003	On Request
	AC220V Pulse fire linkage	NF004	On Request
	Passive fire linkage	NF005	On Request
Control and Signalling function modules	Genset control module	NF006	On Request
	Genset control&Communication module	NF008	On Request
	Remote control to S2	NF012	On Request
Communication accessories	Modbus communication module with RS485 interface	NF007	On Request
	T-Helper Operation and maintenance Helper	NF028 ✓	On Request

*For more details on accessories, please contact Customer Care Centre.

For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

✓ NORMAL STOCK ITEMS

W.E.F. February 03rd, 2025

Class PC transfer switch

Circuit-breaker / Transfer Switch Equipment coordination

Complementary
technical informations
Ue ≤415 VAC

Upstream
Downstream

EasyPacT CVS
WATSN

Load side		TSE	WATSN			
		Rating	100	160	250	630
		Ith (A) 40°C	100	160	250	630
		Icw (kA)	5	10	10	12
		Icm (kAp)	7.65	17	17	25
Supply side	Icu (kA)					
Circuit breaker:	415V	Ir	TSE conditionnal short-circuit current and related making capacity:			
CVS100B	25		5	T	T	T
CVS160B	25			T	T	T
CVS250B	25				T	T
CVS100F	36		5	25	25	T
CVS160F	36			25	25	T
CVS250F	36				25	T
CVS400F	36					36
CVS630F	36					36
CVS100N	50		5	25	25	T
CVS160N	50			25	25	T
CVS250N	50				25	T
CVS400N/H	50/70					36
CVS630N/H	50/70					36

T

Transfer Switch Equipment is Totally coordinated up to Icu of circuit breaker installed on supply side.

Protection of the Transfer Switch Equipment is not ensured

॥ श्री गणेशाय नमः ॥

॥ જે જે શ્રી ગોકુલેશ ॥

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For details on non-standard references, technical parameters, stockable and non-stockable status, please contact Customer Care Centre.

✓ NORMAL STOCK ITEMS

W.E.F. February 03rd, 2025