

ABB Motor Management and Machine Safety Price List PDF

Effective	11 May 2026
Region	India
Status	Current

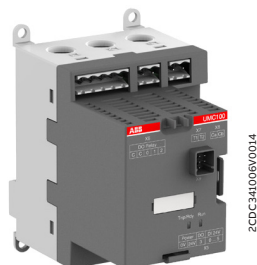
Extracted from: ABB Electrification Products Price List, effective 11 May 2026

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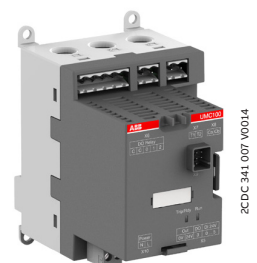
This section was extracted without changing product descriptions, prices or technical content.

Intelligent motor management system - UMC100.3

Ordering details - Universal Motor Controller UMC100.3



UMC100.3 DC



UMC100.3 UC



UMC100-PAN

Description

Intelligent motor management system for single and three-phase motors with $I_e = 0.24 - 63 \text{ A}$ in one single device. Compact housing with integrated current transformer for cable cross-section up to 25 mm^2 (max. $\varnothing$ with Insulation 11 mm). Higher currents with additional external current transformer. Thermal overload protection according to EN/IEC 60947-4-1, selectable trip classes 5E, 10E, 20E, 30E, 40E. Some functions require an additional expansion module.

- **Motor protection functions:**
Over-/underload, over-/undercurrent, over-/undervoltage, rotor blocking, phase failure/imbalance/sequence Earth fault detection integrated or with external sensor CEM11
Hot motor protection with thermistor or temperature measurement
- **Motor control functions:**
Easily configurable motor control functions: direct, reverse, star-delta starter, pole-changing, overload relay, actuator mode, softstarter mode. Additionally free programmable application specific logic with function blocks
- **Service and diagnostic data:**
Operating hours, number of motor starts and overload trips, energy, standstill and operation hours supervision, motor status, faults and warnings, fault history (16 events)
Motor current, phase voltages, thermal load, power factor (cos), active power, apparent power, energy, total harmonic distortion (THD).
- **Integrated I/Os:**
6 digital inputs, 1 PTC input, 4 digital outputs. Maximum number of I/Os with expansion modules: 14 digital inputs, 1 PTC input, 9 digital outputs, 6 analogue inputs, 1 analogue output
- **Communication interfaces for fieldbuses and ethernet networks, interface for operator panel UMC100-PAN, bus interface for connection of expansion modules**
Versions for supply voltage 24 V DC and 110 – 240 V AC/DC and with ATEX approval

Ordering details

Designation	Supply voltage	Type	Ordering code	L.P. (₹)
Universal Motor Controller	24 V DC	UMC100.3 DC	1SAJ530000R0100	Upon request
Universal Motor Controller	110-240 V AC/DC	UMC100.3 UC	1SAJ530000R1100	
Universal Motor Controller, ATEX	24 V DC	UMC100.3 DC EX	1SAJ530000R0200	
Universal Motor Controller, ATEX	110-240 V AC/DC	UMC100.3 UC EX	1SAJ530000R1200	
Universal Motor Controller, DC, ATEX, Conformal Coating	24 V DC	UMC100.3 DC EX coated	1SAJ530000R0210	
Universal Motor Controller, UC, ATEX, Conformal Coating	110-240 V AC/DC	UMC100.3 DC EX coated	1SAJ530000R1210	
FIM UMC Edition, single user license		FIM UMC Edition	1SAJ925000R0001	

Operating panel UMC100-PAN

Operator panel for Universal Motor Controller UMC100. Backlit graphical and multi-lingual full text display, LEDs for status. Assembly directly on UMC100 or on the control cabinet door via extension cable and door mounting set.

Functions:

- Monitoring: Shows motor status and diagnostics
- Operate: Start, stop, fault reset
- Parametrize: Setting and changing of motor and fieldbus parameters (password protection possible)
- Copy settings
- USB port for up/download of parameters and logic

Supports 8 languages: English, French, German, Italian, Spanish, Polish, Portuguese, Russian
Replaces all former UMC100 operator panels

Ordering details

Designation	Type	Ordering code	L.P. (₹)
Operating panel	UMC100-PAN	1SAJ590000R0103	Upon request
0.7 m ext. cable with door mounting set	UMCPAN-CAB.070	1SAJ510003R0002	
1.5 m ext. cable with door mounting set	UMCPAN-CAB.150	1SAJ510004R0002	
3 m ext. cable with door mounting set	UMCPAN-CAB.300	1SAJ510002R0002	
Protection cap for operating panel	UMC100-PAN CAP	1SAJ510005R0001	

Intelligent motor management system - UMC100.3

Ordering details - Expansion modules



DX122



AI111



VI150

Description

Up to 4 expansion-modules can be connected to one UMC100.3

- 1 digital expansion module DX111 or DX122
- 1 voltage expansion module VI150 or VI155
- 2 analog/temperature expansion modules AI111 possible)

Supply voltage is 24 V DC; the 110-240 V AC/DC version of the UMC100.3 provides the 24 V DC supply for expansion modules

DX111

I/O-expansion module with 8 digital inputs 24 V DC, 4 relay outputs, 1 analog output 0/4-20 mA or 0...10 V

DX122

I/O-expansion module with 8 digital inputs 110 / 230 V AC, 4 relay outputs, 1 analog output 0/4-0 mA or 0-10 V

VI15x

Voltage modules for the determination of phase voltages, power factor ($\cos\varphi$), apparent power, energy, total harmonic distortion (THD).

For use in grounded networks (VI150) or in all networks (VI155), 150-690 V AC

AI111

Analog / temperature expansion module, 3 inputs PT100, PT1000, KTY83, KTY84, NTC, 0-10 V, 0/4-20 mA

1 or 2 modules AI111 can be connected to an UMC100.3.

Ordering details

Designation	Type	Ordering code	L.P.(₹)
I/O module for UMC100, 24 V DC digital input	DX111	1SAJ611000R0102	Upon request
I/O module for UMC100, 110 – 230 V AC digital input	DX122	1SAJ622000R0102	
3 phase voltage module for grounded networks	VI150	1SAJ650000R0101	
3 phase voltage module for all networks	VI155	1SAJ655000R0101	
Analog/temperature module 3 analogue inputs	AI111	1SAJ613000R0102	
Connection cable UMC100 - I/O module, length 0.30 m	UMCIO-CAB.030	1SAJ691000R0001	
Connection cable IO-module - IO-module, length 0,30 m	IOIO-CAB.030	1SAJ692000R0001	
Terminal set for UMC100.3 DC (spare parts)	UMCTB	1SAJ929160R0001	
Terminal set for UMC100.3 UC (spare parts)	UMCTB	1SAJ929160R0002	

Fieldbus interfaces

Ordering details



PDP32.0



MRP31.0



PDR31.0

Description

Fieldbus communication interfaces enable the UMC100.3 to communicate via fieldbus.

The interfaces can be used in two ways:

- Mounted directly on an UMC100.3 – the interface is supplied from the UMC100.3 and no additional accessory is required
- Mounted separately on a SMK3.0 adapter in the cable chamber of an MCC, the interface plugged on SMK3.0 requires a 24 V DC supply. Ready-made cables for applications in withdrawable systems are available, as well as terminal blocks for other cables:
CDP18.150: Cable for use inside the drawer CDP24.150: Cable from SMK3.0 to drawer outside

PDP32.0

- Communication interface for PROFIBUS DP; supports the protocols PROFIBUS DP/V0 and V1
- PNO-certified PROFIBUS slave
- Data transfer rate up to 12 Mbit/s
- Diagnostic LEDs
- Fieldbus connection via nine-pole Sub-D connector or terminal blocks
- GSD download from UMC100.3 webpage

MRP31.0

- Communication interface for Modbus RTU
- Data transfer rate up to 57.6 kbit/s
- Diagnostic LEDs
- Fieldbus connection via terminal blocks

PDR31.0

- External active fieldbus termination for Profibus DP; the PDR31.0 needs to be mounted on a SMK3.0 adapter and supplied by 24 V DC

Designation	Type	Ordering code	L.P. (₹)
Profibus DP communication interface	PDP32.0	1SAJ242000R0001	
Modbus RTU communication interface; terminal block for fieldbus connection included	MRP31.0	1SAJ251000R0001	Upon request
Profibus DP active bus termination	PDR31.0	1SAJ243000R0001	

Ethernet interfaces

Ordering details



MTQ22-FBP.0

2CDC341003S0012



PNQ22-FBP.0

2CDC341001S0014



EIU32.0

2CDC341009V0018



PNU32



PNU32+SMK3.0

Description

Ethernet communication interfaces enable the UMC100.3 to communicate via an Ethernet network. There are two types of interfaces:

Interfaces for the connection of one to four Universal Motor Controllers UMC100.3:

- MTQ22-FBP.0 for Modbus TCP
- PNQ22-FBP.0 for Profinet IO

Interface for a single universal motor controller UMC100.3:

- EIU32.0 for EtherNet/IP™

MTQ22-FBP.0

- Protocol Modbus TCP
- For one to four UMC100.3
- Master supervision with timeout control
- for up to four masters
- Micro USB-port for configuration via PC (configuration software downloaded from UMC100.3 webpage)
- Integrated Ethernet switch
- Supports all network topologies
- Ring topology with redundancy (MRP protocol)
- Easy to use in withdrawable applications
- No special Ethernet connectors required in MCCs
- 24 V DC supply voltage
- DIN-Rail mounting

PNQ22-FBP.0

- Protocol Profinet IO
- PNO-certified
- For one to four UMC100.3 devices
- Integrated Ethernet switch
- Supports all network topologies
- Ring topology with redundancy (MRP protocol)
- Easy to use in withdrawable applications
- No special Ethernet connectors required in MCCs
- Fully integrated into ABB 800xA
- Time-stamped events with ABB 800xA
- 24 V DC supply voltage
- DIN-Rail mounting
- GSDML downloaded from UMC100.3 webpage

EIU32.0

- Protocol EtherNet/IP™
- ODVA-certified
- For one motor controller UMC100.3
- Mounting directly on an UMC100.3 (supplied by UMC100.3) or remotely on a SMK3.0 adapter (24 V DC supply required)
- Integrated Ethernet switch
- Supports all network topologies
- DLR (Device Level Ring) function for redundancy
- Easy to use in withdrawable applications
- No special Ethernet connectors required in MCCs
- EDS download from UMC100.3 webpage

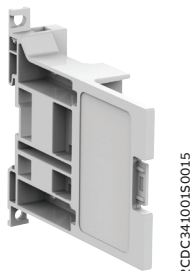
Highlighted features:

- The PNU32.0 Ethernet adapter module, provides Ethernet connectivity for the motor controller UMC100.3
- Through the PNU32.0 Ethernet Adapter module it is possible to:
 - give control commands to the device (Start, Stop, Auto, etc.). The commands' meaning depends on the connected device
 - read status information and actual values from the device
 - change parameter values
 - read maintenance counters
 - reset a trip
- The PNU32.0 supports the Profinet S2 redundancy function
- Configuration from within the control system by using start-up parameters (similar to block parameters of PROFIBUS)
- A built-in two-port switch allows the flexible usage in bus, star or ring network topologies
- The Media Redundancy Protocol (MRP) is implemented (client). MRP is standardized in IEC/EN 62439-2 and offers cable redundancy in case of a single failure
- Location supervision for the detection of interchanged drawers in withdrawable systems
- Time stamped diagnosis: ABB proprietary Sequence of Event (SoE) support (800xA)

Designation	Type	Ordering code	L.P. (₹)
Ethernet Modbus TCP interface	MTQ22-FBP.0	1SAJ260000R0100	Upon request
Ethernet Profinet IO interface	PNQ22-FBP.0	1SAJ261000R0100	
EtherNet/IP™ interface	EIU32.0	1SAJ262000R0100	
Ethernet Profinet IO interface	PNU32.0	1SAJ263000R0100	

Adapter and accessories

Ordering details



SMK3.0

2CDC341001S0015



CDP18.150

2CDC341007F0018



2CDC345008V0014

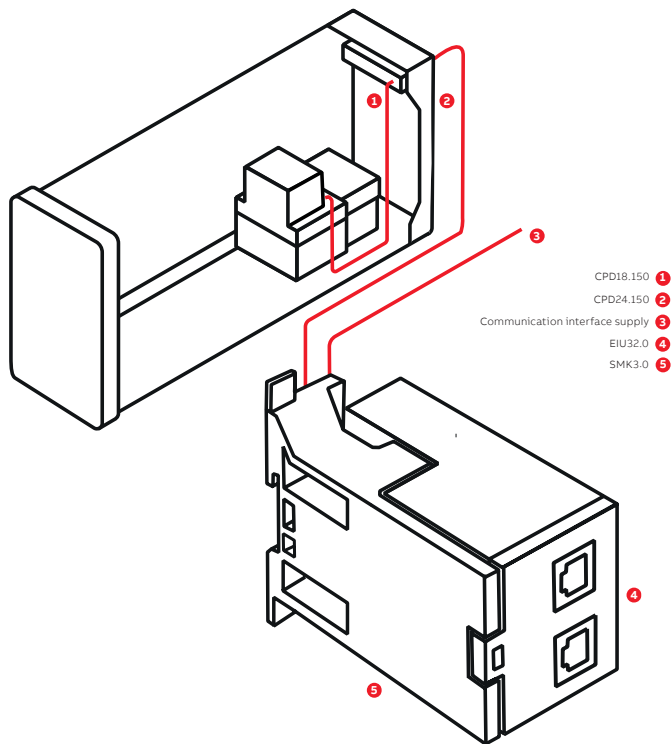


EIU32.0 on SMK3.0

2CDC341010V0018

Adapter and ready-made cables

Adapter SMK3.0 for external mounting of a fieldbus or EtherNet/IP™ interface EIU32.0 outside a drawer. SMK3.0 can be mounted on a DIN-Rail or fixed by screws. 24 V DC supply is required. Ready-made cables for inside and outside the drawer, including a terminal block on one side and open end on the other. Terminal blocks are also separately available for making own cables.



- 1 CPD18.150
- 2 CPD24.150
- 3 Communication interface supply
- 4 EIU32.0
- 5 SMK3.0

Separate wiring of the EtherNet/IPTM communication interface EIU32.0

Description	Type	Ordering code	LP.(₹)
Adapter for separate mounting of a communication interface; terminal block for 24 V DC supply included	SMK3.0	1SAJ929600R0001	Upon request
Cable from SMK3.0 to drawer's outside, length 1.5 m	CDP24.150	1SAJ929240R0015	
Terminal block 2-pole for SMK3.0 supply (spare parts)	SMK3-X2.10	1SAJ929610R0001	
Terminal block 5-pole for SMK3.0 comm. (spare parts)	SMK3-X1.10	1SAJ929620R0001	
Cable for inside and outside drawer, length 1.5 m	CDP18.150	1SAJ929180R0015	
Cable Ethernet interface - UMC100.3, length 1.5 m	CDP23.150	1SAJ929230R0015	
Cable Ethernet interface - UMC100.3, length 3 m	CDP23.300	1SAJ929230R0030	
Cable from SMK3.0 to drawer's outside, length 1.5 m	CDP24.150	1SAJ929240R0015	
Terminal blocks for MTQ22/PNQ22 X1...X4	ETHTB-FBP.4	1SAJ929200R0001	
Terminal blocks for MTQ22/PNQ22 X1...X4	ETHTB-FBP.50	1SAJ929200R0002	

Earth fault monitors, current transformers

Ordering details



CEM11-FBP.xxx

2CDC345011F0008

Earth fault monitors CEM11-FBP.xxx for use with the Universal Motor Controller UMC100.3

The CEM11-FBP.xxx device monitors if the sum of the currents flowing through it is zero (factorial addition). If the sum is zero, no residual current is present. If the residual current is above an adjusted threshold value, the output signal of the CEM11-FBP.xxx changes. It can be used in motor feeders to detect leakage currents, as well as ground faults, caused for example by insulation breakdowns.

- CEM11-FBP.xxx is connected to a digital input of the UMC100.3
- Earth fault current threshold can be set in eight steps with a screwdriver
- Test position for easy control of the wiring

CEM11-FBP.xxx is delivered with adapters for DIN-Rail or wall mounting.
CEM-11.FBP.120 is for wall-mounting only.



CT4L185R/4, CT4L310R/4

2CDC341001S0012



CT5L500R/4, CT5L850R/4

2CDC341002S0012

Earth fault currents [mA]	Through-hole diameter	Type	Ordering code	LP.(₹)
80 ¹⁾ , 300, 550, 750, 1000, 1200, 1500, 1700	20 mm	CEM11-FBP.20	1SAJ929200R0020	Upon request
100 ¹⁾ , 500, 1000, 1400, 2000, 2400, 3000, 3400	35 mm	CEM11-FBP.35	1SAJ929200R0035	
120 ¹⁾ , 1000, 2000, 2800, 4000, 4800, 6000, 6800	60 mm	CEM11-FBP.60	1SAJ929200R0060	
300 ¹⁾ , 2000, 4000, 5600, 8000, 9600, 12000, 13600	120 mm	CEM11-FBP.120	1SAJ929200R0120	

Current transformers for use with the Universal Motor Controller UMC100.3

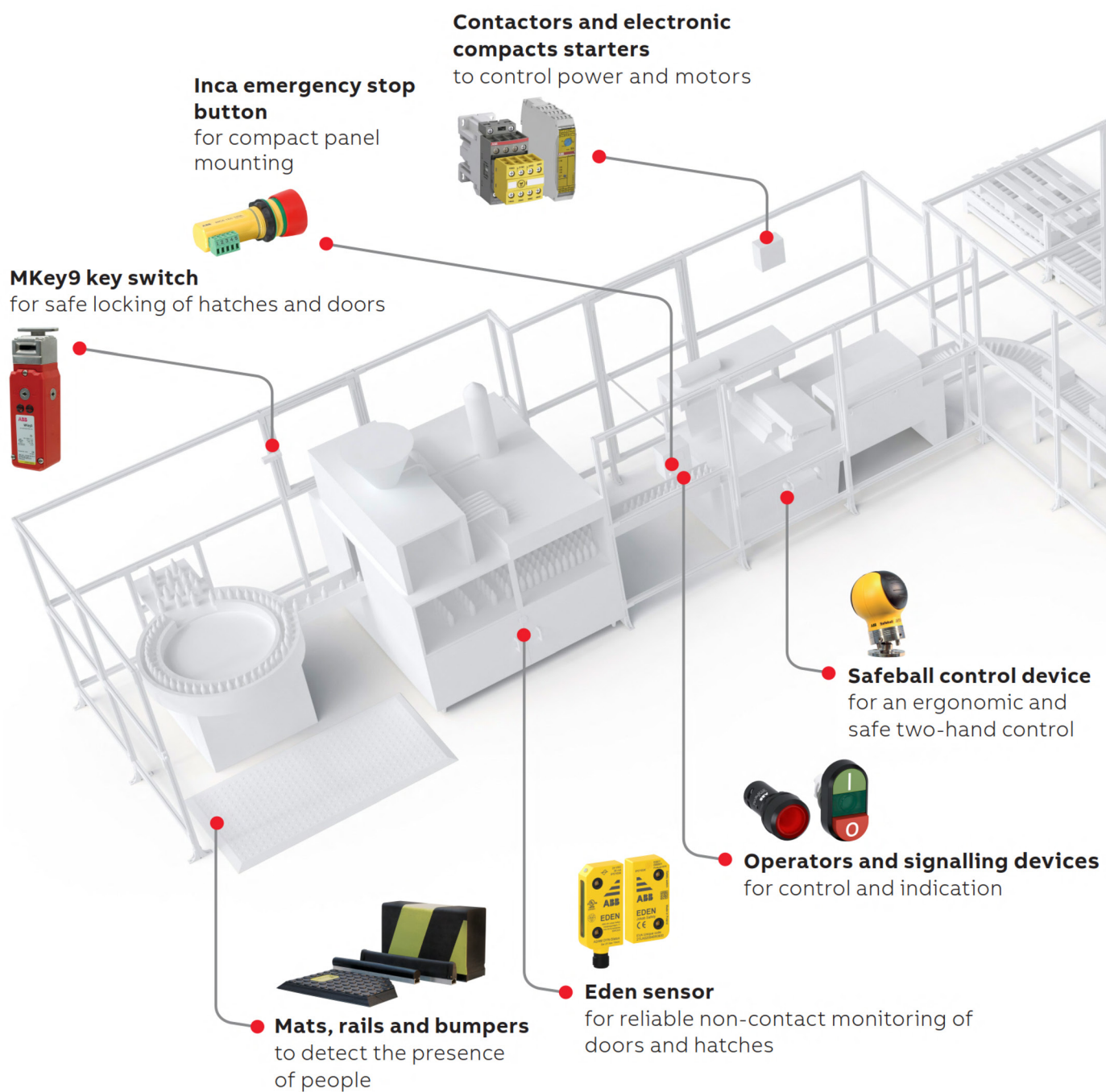
Linear type three-phase transformers, for use with the UMC100.3 and nominal motor currents >63 A. Terminal blocks for conductors Cu 2.5 mm² for wiring on the UMC100.3 side.

Description	Recommended current range	Type	Ordering code	LP.(₹)
Current transformer	60...185 A AC	CT4L185R/4	1SAJ929500R0185	Upon request
Current transformer	150...300 A AC	CT4L310R/4	1SAJ929500R0310	
Current transformer	200...500 A AC	CT5L500R/4	1SAJ929501R0500	
Current transformer	400...850 A AC	CT5L850R/4	1SAJ929501R0850	

UMC100-FBP.0 and FBP system accessories are being phased out. Please contact your local ABB contact for spare parts or retrofit solutions.

Production-friendly safety systems

from ABB Safety



Magne magnetic lock
to keep doors and hatches
locked during a process



**Pluto programmable safety controller,
Vital safety controller and Sentry safety relays**
for flexible monitoring of safety devices



Smile emergency stop button
to safely stop machinery in hazardous
situations



Orion light guards
for a production friendly
safety detection



Knox safety lock
for safe locking of doors



JSDH4 three-position device
for safe and ergonomic
inspection and troubleshooting



**LineStrong pull wire
emergency stop switch**
for easy access of emergency stop
function



ABB safety

Sentry safety relays

Expansion	Safety devices	Test/Reset	Safety relay outputs	Timer function	Feature	Power supply
Expansion of safety controller outputs	1 channel 2 channels with equivalent contacts 2 channels with antivalent contacts OSSD outputs / PNP outputs Contact mats, bumpers and safety edges ^{c)} Two-hand devices Manual reset (all models have auto reset) Start/Test 3 NO + 1 NC 4 NO 2 NO + 2 delayed/delayable NO 4 NO + 1 NC Off-delay 0.5 s Off-delay 1.5 s Advanced timer functions 0 – 999 s ^{d)}				configurable with display	85-265 VAC / 120-375 VDC +24 VDC



						Type	Ordering code	L.P.(₹)
a)	● b)	●	●			● BSR10	2TLA010040R0000	21,940
						BSR10P	2TLA010040R0001	22,970
a)	● b)	●	●			● BSR11	2TLA010040R0200	21,940
						BSR11P	2TLA010040R0201	22,970
a)				●		● BSR23 ^{e)}	2TLA010041R0600	19,110
						BSR23P ^{e)}	2TLA010041R0601	19,990
●	● ● ●	●	●			● SSR10	2TLA010050R0000	26,950
						SSR10P	2TLA010050R0001	28,190
●	●	●	●			● SSR10M	2TLA010050R0100	34,070
						SSR10MP	2TLA010050R0101	35,900
		●	●			● SSR20	2TLA010051R0000	29,570
						SSR20P	2TLA010051R0001	30,940
		●	●			● SSR20M	2TLA010051R0100	37,780
						SSR20MP	2TLA010051R0101	39,810
	● ● ●	●	●	●		● SSR32	2TLA010052R0400	43,020
						SSR32P	2TLA010052R0401	45,280
	● ● ●	●	●	●		● SSR42	2TLA010053R0400	43,020
						SSR42P	2TLA010053R0401	45,030
●	● ● ●		●	● ● ● ●	●	● TSR10	2TLA010060R0000	34,580
						TSR10P	2TLA010060R0001	36,170
●	● ● ●		●	● ●		● TSR20	2TLA010061R0000	34,580
						TSR20P	2TLA010061R0001	36,490
●	●		●	● ●		● TSR20M	2TLA010061R0100	34,070
						TSR20MP	2TLA010061R0101	35,650
	● ● ● ● ● ●	●	●	● ● ● ●	●	● USR10	2TLA010070R0000	41,050
						USR10P	2TLA010070R0001	42,950
	● ● ● ● ● ●		●	● ● ● ●	●	● USR22	2TLA010070R0400	57,280
						USR22P	2TLA010070R0401	59,900

^{a)} These models can also be used for expansion of Pluto safe transistor outputs (-24 VDC)

^{b)} No monitoring of two-channel fault, i.e. max Category 3 without fault exclusion.

^{c)} The safety relay detects a short-circuit, not a change in resistance.

^{d)} Off-delay, On-delay, Time bypass or Time reset.

^{e)} BSR23 must be monitored by another device in order to reach higher than Category 1/PL c according to EN ISO 13849-1, for example a safety relay, safety PLC or an Orion light guard (EDM function).



Safety controller

DYNlink circuits	Maximum DYNlink devices	Safe outputs	Type	Order code	L.P.(₹)
1	30	2 NO	Vital 1	2TLA020052R1000	52,160

S: Screw connection
P: Push-in connection

ABB safety

Programmable safety controller

Safety bus	Failsafe outputs ^{a)}	Failsafe inputs (max) ^{b)}	Analog inputs (max) ^{b)}	Fast counter inputs (max) ^{b)}	StatusBus inputs (max) ^{b)}	Non-failsafe outputs (max) ^{b)}	Width mm	Type	Ordering code	L.P.(₹)
No	4	16	1 ^{c)}		4	8	45	Pluto S20	2TLA020070R4700	1,32,380
	6	40	3 ^{c)}		4	16	90	Pluto S46	2TLA020070R1800	1,88,060
Yes		22	1 ^{c)}		4	8	45	Pluto B22 ^{e)}	2TLA020070R4800	1,26,290
	2	4			2	2	45	Pluto O2 ^{f)}	2TLA020070R8500	1,14,260
	4	16	1 ^{c)}		4	8	45	Pluto A20 ^{g)}	2TLA020070R4500	1,80,990
								Pluto B20	2TLA020070R4600	1,66,460
			4 ^{d)} + 1 ^{c)}		4	8	45	Pluto D20	2TLA020070R6400	2,21,680
	6	40	3 ^{c)}		4	16	90	Pluto B46	2TLA020070R1700	2,21,680
		39	8 ^{d)}	4	4	15	90	Pluto D45	2TLA020070R6600	2,70,430

^{a)} Failsafe outputs

2 failsafe outputs:

- 2 independent individually safe potential free relay outputs (Q0 and Q1) with 3 contacts each

4 failsafe outputs:

- 2 independent individually safe potential free relay outputs (Q0 and Q1)
- 2 independent individually safe transistor outputs (-24 VDC) (Q2 and Q3)

6 failsafe outputs:

- 2 independent individually safe potential free relay outputs (Q0 and Q1)
- 2 independent individually safe potential free relay outputs with common supply (Q4 and Q5)
- 2 independent individually safe transistor outputs (-24 VDC) (Q2 and Q3)

^{b)} -The number of failsafe inputs available decreases with the number of used non-failsafe outputs, analog inputs, fast counter inputs and StatusBus inputs.

-The number of analogue inputs available decreases with the number of used fast counter inputs.

-The number of non-failsafe outputs available decreases with the number of StatusBus inputs used.

Check the Pluto hardware manual for more information.

^{c)} 0-27 V analog inputs

^{d)} 0-10 V/4-20 mA (high resolution) analog inputs

^{e)} Expansion model with failsafe inputs and no failsafe outputs.

^{f)} Expansion model with 2 failsafe outputs with 3 contacts each. Also possible to use as stand-alone unit.

^{g)} Model with current monitoring



Gateway for communication

Fieldbus	Ethernet	Type	Ordering code	L.P.(₹)
CANopen		GATE-C2	2TLA020071R8100	54,340
DeviceNet		GATE-D2	2TLA020071R8200	64,490
PROFIBUS-DP		GATE-P2	2TLA020071R8000	64,490
EtherCAT	X	GATE-EC	2TLA020071R9100	82,030
Ethernet/IP	X	GATE-EIP	2TLA020071R9000	80,950
Modbus TCP	X	GATE-MT	2TLA020071R9400	82,030
PROFINET	X	GATE-PN	2TLA020071R9300	82,030





Safety and process locks Switches

Material (body)	Positions for pilot devices	Manual unlock	Type	Ordering code	L.P.(₹)
Die cast	4	Yes	GKey4 RU	2TLA050304R0002	1,41,730

Mounting plate with front handle

Type of handle	Material (mounting plates and sliding bolt)	Type	Ordering code	L.P.(₹)
Sliding	Die cast	FHS GKey4	2TLA050310R0032	45,150

Accessories - Rear handle and spring loaded catch

Type of handle	Material	Description	Type	Ordering code	L.P.(₹)
Sliding	Die cast	Rear handle	RHS GKey MKey	2TLA050040R0510	4,690
		Spring catch	SCS GKey MKey	2TLA050040R0511	



Safety light curtains/Grids

Detection (Resolution mm)	Protected height mm	Type (Transmitter + receiver)	Ordering code	L.P.(₹)
Finger (14)	150	Orion1-4-14-015-B	2TLA022300R0000	1,30,130
	450	Orion1-4-14-045-B	2TLA022300R0200	2,32,350
	750	Orion1-4-14-075-B	2TLA022300R0400	3,28,200
	1050	Orion1-4-14-105-B	2TLA022300R0600	4,21,940
	1200	Orion1-4-14-120-B	2TLA022300R0700	4,70,210
	1050	Orion1-4-14-105-E	2TLA022301R0600	5,22,790
	1200	Orion1-4-14-120-E	2TLA022301R0700	5,74,280
	1500	Orion1-4-14-150-E	2TLA022301R0900	6,88,870
Hand (30)	450	Orion1-4-30-045-B	2TLA022302R0200	1,70,060
	750	Orion1-4-30-075-B	2TLA022302R0400	2,19,350
	1050	Orion1-4-30-105-B	2TLA022302R0600	2,69,690
	1200	Orion1-4-30-120-B	2TLA022302R0700	2,98,690
	1500	Orion1-4-30-150-B	2TLA022302R0900	3,48,150
	1800	Orion1-4-30-180-B	2TLA022302R1100	4,01,090
	1050	Orion1-4-30-105-E	2TLA022303R0600	3,69,600
	1200	Orion1-4-30-120-E	2TLA022303R0700	3,99,200
	1500	Orion1-4-30-150-E	2TLA022303R0900	4,76,450
	1800	Orion1-4-30-180-E	2TLA022303R1100	5,54,990

**Note:- for other variants please contact Local Sales of ABB.

ABB safety



Orion 2 Base/Extended

Detection	Protected height mm	Type (Transmitter + receiver)	Ordering code	L.P.(₹)
Body	900 (4 beams)	Orion2-4-K2-090-B	2TLA022304R0200	1,85,390
	1200 (4 beams)	Orion2-4-K4-120-B	2TLA022304R0300	2,05,950
Body	500(2 beams)	Orion2-4-K2-050-E	2TLA022305R0000	1,61,620
	800 (3 beams)	Orion2-4-K2-080-E	2TLA022305R0100	1,89,410
	900 (4 beams)	Orion2-4-K2-090-E	2TLA022305R0200	2,13,220
	1200 (4 beams)	Orion2-4-K2-120-E	2TLA022305R0300	2,36,860



Orion 3 Base/Extended

Detection	Protected height mm	Active or passive Part	Type	Ordering code	L.P.(₹)
Body	500 (2 beams)	Active part	Orion3-4-K1C-050-B	2TLA022306R0000	91,980
		Passive part	Orion3-4-M1C-050	2TLA022306R1000	35,560
	800 (3 beams)	Active part	Orion3-4-K2C-080-B	2TLA022306R0100	1,20,880
		Passive part	Orion3-4-M2C-080	2TLA022306R1100	48,900
	900 (4 beams)	Active part	Orion3-4-K2C-090-B	2TLA022306R0200	1,32,430
		Passive part	Orion3-4-M2C-090	2TLA022306R1300	53,330
	1200 (4 beams)	Active part	Orion3-4-K2C-120-B	2TLA022306R0300	1,40,860
		Passive part	Orion3-4-M2C-120	2TLA022306R1400	67,570
Body	500 (2 beams)	Active part	Orion3-4-K1C-050-E	2TLA022307R0000	1,18,630
		Passive part	Orion3-4-M1C-050	2TLA022306R1000	35,560
	800 (3 beams)	Active part	Orion3-4-K2C-080-E	2TLA022307R0100	1,44,860
		Passive part	Orion3-4-M2C-080	2TLA022306R1100	48,900
	900 (4 beams)	Active part	Orion3-4-K2C-090-E	2TLA022307R0200	1,56,830
		Passive part	Orion3-4-M2C-090	2TLA022306R1300	53,330
	1200 (4 beams)	Active part	Orion3-4-K2C-120-E	2TLA022307R0300	1,71,950
		Passive part	Orion3-4-M2C-120	2TLA022306R1400	67,570

**Note:- for other variants please contact Local Sales of ABB.



Safeball JSTD1

Types of switches	Cable length	Type	Ordering code	L.P.(₹)
1 NO + 1 NC	2 m	JSTD1-A	2TLA020007R3000	23,090
	0.2 m	JSTD1-B	2TLA020007R3100	18,750
	10 m	JSTD1-C	2TLA020007R3200	28,110
2 NO	0.2 m	JSTD1-E	2TLA020007R3400	18,350



Two-hand control devices JSTD25

Extra feature	Connector male	Type	Ordering code	L.P.(₹)
None	M12-5	JSTD25F	2TLA020007R6000	65,880
	M12-8	JSTD25H	2TLA020007R6300	78,000
Pre-mounted Smile 10 EK emergency stop button	M12-8	JSTD25K	2TLA020007R6900	89,110

Accessories

Description	Type	Ordering code	L.P.(₹)
Mounting bracket for JSTD1 with orientation possibility (ball joint)	JSM C5	2TLA020007R0900	9,330
Suspension shelf for JSTD25F/H/K	JSM C7	2TLA020007R1200	9,940
coat for Safeball	Safeball coat	2TLA020007R1900	4,970

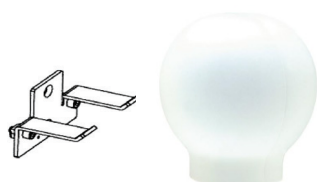


ABB safety

Three positional safety device Complete list of JSHD4 models



Top Part Buttons and LEDs	Bottom part Feature	ID	Connection	Anti- tamper	Type	Ordering code	L.P.(₹)
JSHD4-1	Use your own cable	AA	Cable gland and 5 screw connections		JSHD4-1-AA	2TLA019995R0000	46,100
No LEDs No buttons	Cost-effective and quick connection	AC	M12-5 male		JSHD4-1-AC	2TLA019995R0100	51,810
JSHD4-2	Cost-effective and robust	AB	Cannon 12 male pins		JSHD4-2-AB	2TLA019995R0200	65,800
	Use your own cable, full pin connection	AJ	Cable gland and 16 screw connections	●	JSHD4-2-AJ-A	2TLA019995R1100	88,980
	Replacement of old units*	AK	Cannon 12 male pins		JSHD4-2-AK	2TLA019995R4800	62,920

HD5 ordering information



Emergency stop with LED	Home position sensor	Motion sensor	LED flashlight	Connector	Two top	Type	Ordering code	L.P.(₹)
No	No	No	No	M23-12	No	HD5-S-102	2TLA023001R0000	1,08,040
					Yes	HD5-S-104	2TLA023001R0200	1,27,090
Yes	Yes	Yes	Yes	M23-19	Yes	HD5-S-111	2TLA023001R0100	1,90,610

HD5 accessories



Description	Suitable for	Type	Ordering code	L.P.(₹)
Active holder (for home position sensor)	All models	HD5-M-001	2TLA920509R0001	7,690
Passive holder	All models	HD5-M-002	2TLA920509R0002	6,360
10 m cable with M23-12 female connector	HD5-S-102/104	JSD-TK10-12	2TLA930051R0000	59,570
5 m cable with M23-12 female connector	HD5-S-102/104	JSD-TK5-12	2TLA930050R0000	45,540
10 m spiral cable with M23-12 female connector	HD5-S-102/104	JSD-TK100S-12	2TLA930034R0000	1,09,120

Emergency Stop Sign Panel mounting



IP rating	Depth	Connection type	Type of safety signal	Feature	Type	Ordering code	L.P.(₹)
IP65	26 mm	1 x M12-5 male	DYNlink	Status LED	Smile 11 EAR Tina	2TLA030050R0100	17,810
			2 NC	Status LED	Smile 11 EAR	2TLA030051R0100	15,480
Button IP65, connector IP20	53 mm	Removable terminal block		Status LED, StatusBus	INCA 1 EC Tina	2TLA030054R1400	20,820
			2 NC	Status LED	INCA 1	2TLA030054R0100	16,650

ABB safety



Emergency Stop Button External mounting

Description	Type of safety signal	Connection type	Feature	Type	Ordering code	L.P.(₹)
Compact size Plastic housing IP65	DYNlink	1 m cable from bottom 1 x M12-5 male 1 x M12-5 male 2 x M12-5 male	Status LED	Smile 10 EA Tina	2TLA030050R0400	17,980
			Status LED	Smile 11 EA Tina	2TLA030050R0000	17,300
			Status LED, StatusBus	Smile 11 EC Tina	2TLA030050R0900	18,970
			Status LED	Smile 12 EA Tina	2TLA030050R0200	18,810
	2 NC	1 m cable from bottom 1 m leads from bottom 1 x M12-5 male 2 x M12-5 male	Status LED	Smile 10 EA	2TLA030051R0400	15,660
			–	Smile 10 EK	2TLA030051R0600	11,660
			Status LED	Smile 11 EA	2TLA030051R0000	14,990
			Status LED	Smile 12 EA	2TLA030051R0200	16,470
Plastic housing IP66, IP67 and IP69K	2 NC*	2 x M20 conduits	–	CEPY1-1002 (Compact)	1SFA619821R1002	6,276
			With shroud	CEPY1-2002 (Compact)	1SFA619821R2002	6,722
Metal housing IP67 and IP69K	2 NO + 2 NC	3 x M20 conduits	Status LED	EStrongZ LED	2TLA050220R0222	44,870
			–	EStrongZ	2TLA050220R0020	40,560

* Can be adapted to DYNlink with Tina

Emergency stop grab wire safety switch



IP rating	Material	E-stop button	Contacts	Max. wire length (m)		Feature	Type	Ordering code	L.P.(₹)
				1 unit	2 units				
IP67	Yellow die cast aluminum alloy	No	2 NO + 2 NC	30	50	–	LineStrong1	2TLA050200R0030	29,720
			2 NO + 2 NC	60	80	–	LineStrong2	2TLA050202R0332	42,380
		Yes	2 NO + 4 NC	100	125	Left hand	LineStrong3L	2TLA050206R0332	53,790
						Right hand	LineStrong3R	2TLA050208R0332	53,790
						Both sides	LineStrong3D	2TLA050204R0332	81,500
IP67, IP69K	Stainless steel 316	Yes	2 NO + 4 NC	100	125	–	LineStrong2Z	2TLA050202R0322	88,010
						Left hand	LineStrong3LZ	2TLA050206R0322	1,02,680
						Right hand	LineStrong3RZ	2TLA050208R0322	1,02,680
						Both sides	LineStrong3DZ	2TLA050204R0322	1,30,360
						–	LineStrong2Z	2TLA050202R0322	88,010

Safety bumper -ASB



Overtravel ^{a)} mm	Description	Material	Type	Ordering code	L.P.(₹)
60	60x100 mm bumper. Length in m needs to be specified on order.	Imitation leather	Bumper ASB 60-100 black/ yellow	2TLA076200R0500	Upon request
120	100x200 mm bumper. Length in m needs to be specified on order.	Imitation leather	Bumper ASB 100-200 black/yellow	2TLA076200R0600	
180	150x300 mm bumper. Length in m needs to be specified on order.	Imitation leather	Bumper ASB 150-300 black/yellow	2TLA076200R0700	
240	200x400 mm bumper. Length in m needs to be specified on order.	Imitation leather	Bumper ASB 200-400 black/yellow	2TLA076200R0800	

^{a)} 60% of bumper height at 10 mm/s

Production cost and cables

Description	Type	Ordering code	L.P.(₹)
Bumpers production cost, including aluminum rail and cables	Bumper production cost	2TLA076200R0000	Upon request

ABB safety

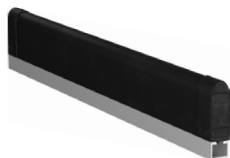


Safety mat ASK – standard sizes

Size mm	Description	Connectors	Type	Ordering code	L.P.(₹)
750x1000	750x1000 safety mat with molded ramp rail and two 5 m cables	1x M8 male 1x M8 female	Safety mat ASK T4 750x1000mm	2TLA076310R1000	Upon request
1000x1000	1000x1000 safety mat with molded ramp rail and two 5 m cables	1x M8 male 1x M8 female	Safety mat ASK T4 1000x1000mm	2TLA076310R1100	
1000x1500	1000x1500 safety mat with molded ramp rail and two 5 m cables	1x M8 male 1x M8 female	Safety mat ASK T4 1000x1500mm	2TLA076310R1200	

Safety mat ASK – custom sizes

Description	Connectors	Type	Ordering code	L.P.(₹)
Base price for custom made safety mat with molded ramp rail	–	Safety mat ASK CM T4, base price	2TLA076301R0200	Upon request
Order code for size (m2) and two 5 m cables. Specify dimensions (width x length in mm) in text.	1x M8 male 1x M8 female	Safety mat ASK CM T4	2TLA076301R0600	



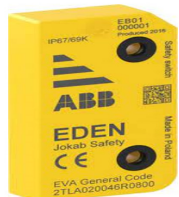
Safety edge TT

Overtravel mm	Description	Material	Type	Ordering code	L.P.(₹)
15	30 mm high safety edge with 25-14 aluminum rail. Length in m needs to be specified on order.	TPE	Safety edge TT 25-30 TPE	2TLA076025R3010	Upon request
22.7	45 mm high safety edge with 25-14 aluminum rail. Length in m needs to be specified on order.	TPE	Safety edge TT 25-45 TPE	2TLA076025R4510	

Production cost and cables

Length of cables m	Description	Type	Ordering code	L.P.(₹)
2.5	Production cost with a 2,5 m cable in each end.	Safety edge production cost 2,5m cable	2TLA076010R0100	Upon request
5	Production cost with a 5 m cable in each end.	Safety edge production cost 5,0m cable	2TLA076010R0500	
10	Production cost with a 10 m cable in each end.	Safety edge production cost 10,0m cable	2TLA076010R1000	

Eden sensors Eva



Code description	Code level	Type	Ordering code	L.P.(₹)
General code. (Eva is interchangeable)	Low level	Eva General code	2TLA020046R0800	3,830
Unique code. (Prevents defeat/fraud)	High level	Eva Unique code	2TLA020046R0900	6,500

Adam



Type of safety controller	Status Bus	Info signal	Local reset	Series connection	Connector male	Type	Ordering code	L.P.(₹)
Pluto	x	x ¹⁾	x	x	M12-5	Adam DYN-Status M12-5	2TLA020051R5200	14,280
Pluto or Vital		x		x	M12-5	Adam DYN-Info M12-5	2TLA020051R5100	12,580
			x	x	M12-5	Adam DYN-Reset M12-5	2TLA020051R5300	16,650
OSSD compatible (incl. Pluto and Sentry)		x			M12-5	Adam OSSD-Info M12-5	2TLA020051R5400	10,840
			x		M12-5	Adam OSSD-Reset M12-5	2TLA020051R5600	14,690
		x	x	x	M12-8	Adam OSSD-Reset M12-8	2TLA020051R5900	17,990

ABB safety

MKey ordering information

Locking function	Material housing	Material head	Holding force	Special feature	Type	Ordering code	L.P.(₹)
—	Plastic	Plastic	12 N		MKey5	2TLA050003R0100	8,860
			40 N		MKey5+	2TLA050003R0101	9,790
		Stainless steel	12 N		MKey5 SSH	2TLA050003R0110	12,520
			40 N		MKey5+ SSH	2TLA050003R0111	13,890
	Stainless steel	Stainless steel	12 N	IP69K	MKey5Z	2TLA050003R0120	36,000
			40 N	IP69K	MKey5+Z	2TLA050003R0121	40,890
Process lock (power to lock)	Plastic	Stainless steel	1800 N		MKey9M 24VDC	2TLA050009R0112	48,200
	Die cast	Die cast	2000 N		MKey8M 24VDC	2TLA050013R0132	67,120
Safety lock (power to unlock)	Plastic	Stainless steel	1800 N		MKey9 24VDC	2TLA050007R0112	44,900
				No key supplied	MKey9 24VDC, No Key	2TLA050007R0012	43,870
	Die cast	Die cast	2000 N		MKey8 24VDC	2TLA050011R0132	62,150
				With escape release button	MKey8ER 24VDC	2TLA050015R0132	88,370
	Stainless steel	Stainless steel	2000 N	IP69K	MKey8Z 24VDC	2TLA050011R0122	98,020

