

48VDC APPLICATION CASE

MCX-AC-48-32



The MOTORCORTEX 48 V DC Application Case is designed to be combined with the MOTORCORTEX Control Case (MCX-GCC).

The Application Case has a powerful 48 V DC power supply that can supply up to 32 Amperes for robotic applications such as cobots. It joins the EtherCAT and Safety (STO) signals from the connected MOTORCORTEX Control Case into a single multi-purpose connector for attachment to a robot or 48 V AC powered machine.

It has the same form factor as the Control Case and they can be stacked on top of each other. The Case also is mountable into a 19 inch rack.

INPUTS

POWER

input voltage	85 ... 264 V AC 50/60Hz
input current (nominal)	@85 ... 184 V AC: 10.0 A @200 V AC: 9.6 A @230 V AC: 8.0 A

connector IEC C13 socket (male)

circuit breaker 10 A, resettable

SAFETY INPUTS

STO-IN	1x M12 male connector (A-coded) Pin1: +24 V DC logic Pin2: STO channel 1 (24 V DC, 0.5 A max) Pin3: 0 V DC Pin4: STO channel 2 (24 V DC, 0.5 A max) Pin5: STO feedback STO is passed-through to output connector
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OUTPUTS

connector	Harting housing 16B straight, high type, 19 30 016 0446, 4 slots connector included suitable for M25 cable glands
connector slot a/A	2 pole, connector 2.5-8mm ² screw terminal Pin1: +48 V DC, 32 A max Pin2: 0 V DC
connector slot b/B	EtherCAT out, RJ45 IDC connector included
connector slot c/C	STO interface to robot Pin1: +24VDC logic Pin2: STO channel 1 (24 V DC, 0.5 A max) Pin3: 0VDC Pin4: STO channel 2 (24 V DC, 0.5 A max) Pin5: STO feedback (input)
connector slot d/D	spare slot, left empty may be used for additional i/o or pneumatics

DIMENSIONS

size	444 x 401 x 144 mm (including connectors)
weight	to be determined
mount options	desktop or 19" rack-mount (brackets optional)

ENVIRONMENT

temperature	-20 °C ... +70 °C -4 °F ... +158 °F
relative humidity	20-90 %, non-condensing
protection	case shall be placed in an IP54 environment