

# DOX 250

## Technical specifications



### GENERAL

<b>Type</b>	DOX 250
<b>Designated use</b>	Ad-on for Autonomous Mobile Robots, enabling the robot to dock itself to i.e. carts or goods carrier. Docking interface is needed and is not included with the DOX 250 unit.
<b>Color</b>	RAL 7040 / Window grey
<b>Payload</b>	Max. 500 kg.
<b>Part No.</b>	20030005

### DIMENSIONS

<b>Length</b>	945 mm. +/- 3,0 mm. - w/o side laser bar and E-stop switch
<b>Width</b>	690 mm. +/- 3,0 mm. w/o side laser bar
<b>Height</b>	82 mm. +/-3 mm.
<b>Weight</b>	32 kg. - Depending on set-up
<b>Standard interface set-up</b>	Omron LD250

### POWER

<b>Voltage</b>	24 V.
<b>Operating current / no load</b>	2 A.
<b>Operating current / Full load</b>	14 A.

### ENVIRONMENT

<b>Duty cycle no load</b>	Max. 50%
<b>Duty cycle full load</b>	Max. 10%
<b>Ambient temperature</b>	+5° to +40°C
<b>Storage temperature</b>	-15° to +70°C
<b>Humidity</b>	10-95% non-condensing
<b>Operating environment</b>	Indoor use only

### SAFETY

<b>Closed cabinet</b>	Yes
<b>Overload protection</b>	Yes
<b>Ingress Protection</b>	Class 21
<b>Dcgljcb switch</b>	JVd
<b>Integrated emergency stop</b>	Yes

### TEST AND PERFORMANCE

<b>Life cycle test - no maintenance</b>	60.000 Cycles
<b>Completed life cycle test with maintenance</b>	120.000 Cycles
<b>CoG displacement full load</b>	50 mm.
<b>Drop test - no load</b>	N/A

### INPUT/OUTPUT

<b>Power connection</b>	Customer specific - See connector specification
<b>GPIO</b>	Customer specific - See connector specification
<b>Emergency stop</b>	Customer specific - See connector specification
<b>SLS switch</b>	Customer specific - See connector specification
<b>Payload detection</b>	Customer specific - See connector specification

### Ad-On

<b>Slide stop</b>	Optional
<b>Light indicator</b>	Optional
<b>Tool mounting points</b>	Optional
<b>Side laser bar</b>	Optional