

qbrobotics*

qbrobotics.com

Via Mario Giuntini 13 56023, Navacchio - Cascina (PI) Italy CF/PI IT01702710490 REA PI-177959 scan the QR code below for further information about the qb SoftHand

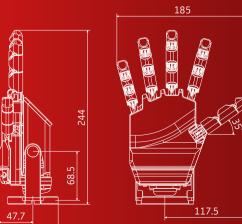




96 SoftHand

may 2019, release 1.0.3

DRAWINGS n4 ø6.4 thru-hole



units are in millimeters (out of scale)

MECHANICAL	UNIT	NOMINAL	MIN	MAX
weight	[kg]	0.99	_	_
wrist mounting range	[deg]	_	0	90
wrist mounting resolution	[deg]	7.5	_	_
power grasp payload	[kg]	_	_	2.0
pinch grasp payload	[kg]	_	_	0.6
hanging payload	[kg]	_	_	5.0
full closing time	[s]	_	_	1.2

ENVIRONMENTAL	UNIT	NOMINAL	MIN	MAX
operating temperature	[°C]	_	-5	50
storage temperature	[°C]	—	-20	50
and an Invest	נאטז	F 2	40	C 1

[mm] 2.4 80.5

ELECTRICAL	UNIT	NOMINAL	MIN	MAX
operating voltage	[V]	24	12	50
power consumption	[W]	13	3	15

CONTROL

INERTIAL

center of mass

communication protocols: EtherCAT, UDP, Digital I/Os

FEATURES	
plug-and-play ¹	
soft, human-like fingers	
adjustable wrist mounting position	
splash, water, and dust resistance: IP65	
interchangeable gloves for special applications	

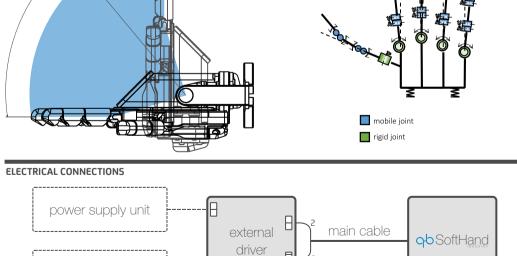
² in progress

	NORMATIVE COMPLIANCE ²
A PARA PARA PARA PARA PARA PARA PARA PA	ISO 12100
	ISO/TS 15066
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	ISO 13849-1/-2
	ISO 10210-1/-2
	ISO 9409-1-50-4-M6
	ISO/TR 20218-1
	IEC 60529
117.5	IEC 61000-6-1/-6-2
	1 external driver for hest integration

FINGERS WORKSPACE 156 WRIST MOUNTING WORKSPACE KINEMATICS

additional technical data

robot controller



RJ-45, DI/DO

— — not provided — provided by qbrobotics®

5,0 safe limit power grasp 4,5 - pinch grasp 4,0 3,5 3,0 2,5 2,0 1,0 0,5 0,0 60 90 15 30 45 75 shape diameter [mm]

MAXIMUM PAYLOAD CHART NOTES

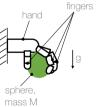
shapes diameters: 15-30-45-60-75-90 [mm] cylinder length: 150 [mm]

friction factor: 0,8±0,1 1

MAXIMUM PAYLOAD CHART

safe limit is intended w.r.t. ISO/TS 15066 2,3

¹ hand rubber glove vs ABS plastics ² maximum stopping acceleration = 30m/s² ³ restricted objects are detailed in the user manual



power grasp

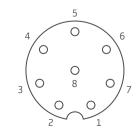


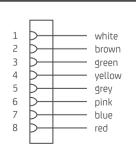


pinch grasp

hanging







#	WIRE COLOR	PURPOSE
1	white	SSI 5 VDC
2	brown	SSI GND
3	green	SSI clock +
4	yellow	SSI clock -
5	grey	SSI data +
6	pink	SSI data -
7	blue	motor phase 1
8	red	motor phase 2