

DWG.NO.HW0387929

A

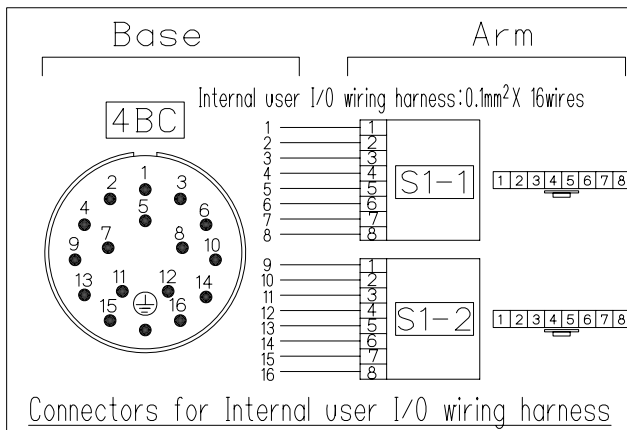
This drawing is applicable with following type

Type	Note
YR-SIA20-A00	Standard
YR-SIA20-A01	Dripproof Spec.

FOR STUDY PURPOSE ONLY

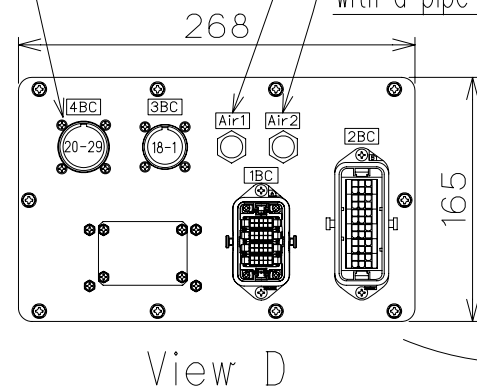
The drip-proof specification has a hole on its wrist flange to pass cables as with the standard specification. When mounting equipment such as attachment, perform drip-proof treatment on the flange surface.

The optional waterproof wrist flange is available.
<NOTE> The connectors for internal user I/O wiring harness are not drip-proofed; depending on the ambient conditions, perform drip-proof treatment after connecting the wiring harness. (E.g., treating the connections with silicon tape, or connecting the wiring harness inside the drip-proof box.)



Connector for internal user I/O wiring harness 4BC:
JL05-2A20-29PC (Pin connector with a cap)
 Prepare socket connector: JL05-6A20-29SC

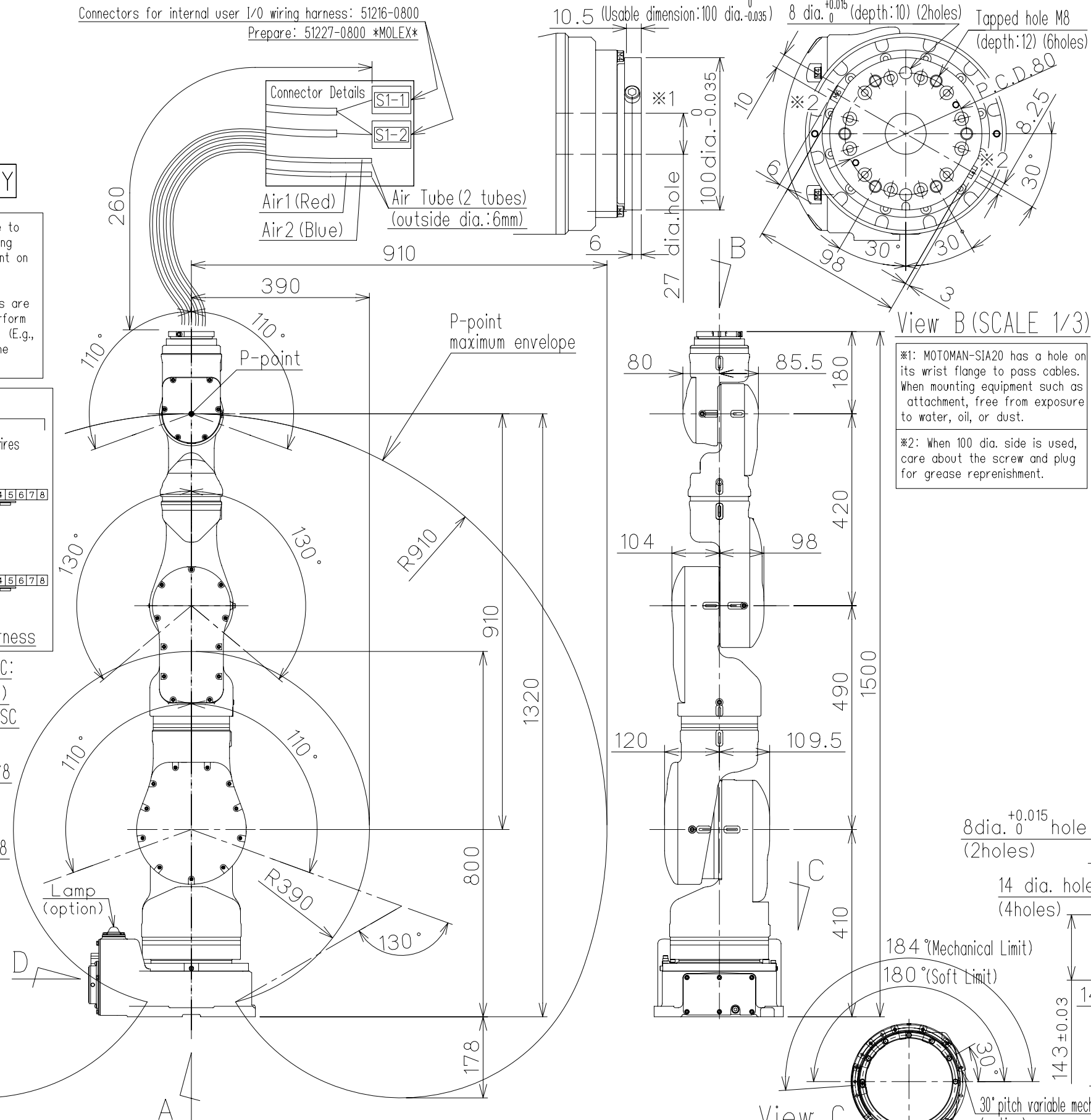
Air inlet: Air1
Tapped hole PT3/8
with a pipe plug
Air inlet: Air2
Tapped hole PT3/8
with a pipe plug



E

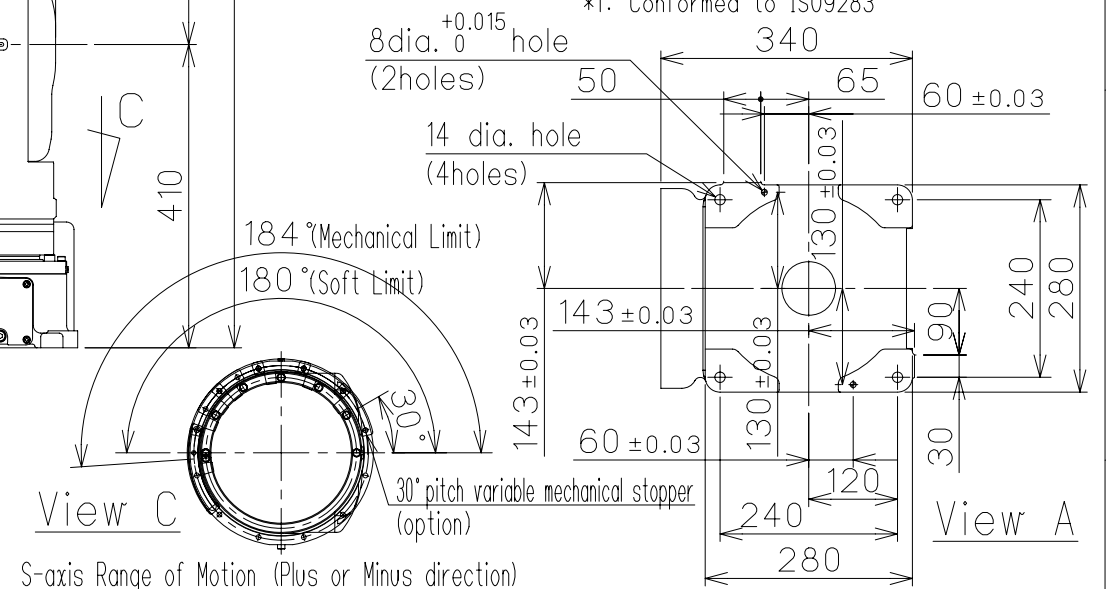
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Connectors for internal user I/O wiring harness: 51216-0800
Prepare: 51227-0800 *MOLEX*



Model		MOTOMAN-SIA20
Item		
Configuration		Vertically Articulated
Degree of Freedom		7 axes
Payload		20kg
Repetitive Positioning Accuracy*1		±0.1mm
Range of Motion	S-axis	±180°
	L-axis	±110°
	7th-axis	±170°
	U-axis	±130°
	R-axis	±180°
	B-axis	±110°
	T-axis	±180°
Maximum Speed	S-axis	2.27rad/s (130° /s)
	L-axis	2.27rad/s (130° /s)
	7th-axis	2.97rad/s (170° /s)
	U-axis	2.97rad/s (170° /s)
	R-axis	3.49rad/s (200° /s)
	B-axis	3.49rad/s (200° /s)
	T-axis	6.98rad/s (400° /s)
Allowable Moment	R-axis	58.8N・m (6kgf・m)
	B-axis	58.8N・m (6kgf・m)
	T-axis	29.4N・m (3kgf・m)
Allowable Inertia (GD ² /4)	R-axis	4.0kgf・m ²
	B-axis	4.0kgf・m ²
	T-axis	2kgf・m ²
Mass		100kg
Ambient Conditions	Temperature	0 to 40° C
	Humidity	20 to 80%RH at constant temperature
	Vibration acceleration	4.9m/s (0.5G) or less
	Others	<ul style="list-style-type: none"> Free from corrosive gas or liquid, or explosive gas Free from exposure to water,oil,or dust Free from excessive electrical noise (plasma)
Power Capacity		2.2 kVA

SI units are used in this table.
However, gravitational unit is used in ().
*1: Conformed to ISO9283



REVISIONS		 YASKAWA 株式会社 安川電機	作 <input checked="" type="checkbox"/> DRAW.		TITLE MOTOMAN-SIA20	DWG.NO.	REV.			
			検 <input checked="" type="checkbox"/> CHECK.					DIMENSION DIAGRAM	HW0387929	1
			承認 APPR							
	 SCALE 1 : 10									