Viper 650 EtherCAT version

Product name			Viper			
	Size		650			
	Cleanroom/IP	Standard	Cleanroom	IP54/65		
Part Number		RL6-2066000	RL6-2066020	RL6-2066010		
Mounting		,	Table/Floor/Inverted			
Number of axes			6			
Reach			653 mm			
Maximum Payloa	đ	5 kg				
Repeatability	XYZ	±0.02 mm				
	Joint 1		±170°			
	Joint 2		-190°, +45°			
Laint Dance	Joint 3		-29°, +256°			
Joint Range	Joint 4		±190°			
	Joint 5		±120°			
	Joint 6		±360°			
	Joint 4	0.295 kgm ²				
Inertia Moment (Max.)	Joint 5		0.295 kgm ²			
(11147.)	Joint 6		0.045 kgm ²			
	Joint 1		328°/s			
	Joint 2		300°/s			
	Joint 3	375°/s				
Joint Speeds	Joint 4	375°/s				
	Joint 5	375°/s				
	Joint 6	600°/s				
Power Requirements		24 VDC: 6 A 200 to 240 VAC: 10 A, single-phase				
D (()	Base	IP40	IP40	IP54		
Protection	Robot Joints (J4, J5, J6)	IP40	IP40	IP65		
Clean Class			Class10			
Environment	Ambient Temperature	5 to 40°C				
Requirements	Humidity Range	5 to 90% (non-condensing)				
Weight		34 kg				
	Controller	eCS-ECAT				
	On-board I/O (Input/Output)	12/8				
Basic configuration	Conveyor tracking input	2				
	RS-232C serial communications port	1				
	Programming environment	Sysmac Studio 64-bit				
	ACE Sight	Yes				
	ePLC Connect	No				
	ePLC I/O	No				
Connectable contr	oller	0	mron NJ501-R Serie	es		

Viper 650

Product name		Viper				
	Size		650			
	Cleanroom/IP	Standard	Cleanroom	IP54/65		
Part Number		1720[]-36000	1720[]-36020	1720[]-36010		
Mounting		Table/Floor/Inverted				
Number of axes			6			
Reach		653 mm				
Maximum Payloa	d		5 kg			
Repeatability	XYZ	±0.02 mm				
	Joint 1	±170°				
	Joint 2		-190°, +45°			
Joint Range	Joint 3		-29°, +256°			
some nange	Joint 4		±190°			
	Joint 5		±120°			
	Joint 6		±360°			
	Joint 4		0.295 kgm ²			
Inertia Moment (Max.)	Joint 5		0.295 kgm ²			
(Joint 6		0.045 kgm ²			
	Joint 1		328°/s			
	Joint 2	300°/s				
Joint Speeds	Joint 3	375°/s				
Joint Speeds	Joint 4	375°/s				
	Joint 5	375°/s				
	Joint 6		600°/s			
Power Requirements		24 VDC: 6 A 200 to 240 VAC: 10 A, single-phase				
Protection	Base	IP40	IP40	IP54		
riotection	Robot Joints (J4, J5, J6)	IP40	IP40	IP65		
Clean Class		Class10				
Environment	Ambient Temperature		5 to 40°C			
Requirements	Humidity Range	5	5 to 90% (non-condensing)			
Weight		34 kg				
cULus Compliant		(Yes) *1				
	Controller		eMotionBlox-60R			
	On-board I/O (Input/Output)	12/8				
	Conveyor tracking input	2				
Basic configuration	RS-232C serial communications port	1				
	Programming environment	ACE, ePLC				
	ACE Sight	Yes				
	ePLC Connect	Yes				
	ePLC I/O	Yes				
Connectable contr	-oller *2	eMotionBlox-60R	, SmartController EX, NJ/	/NX/NY Series *3		

*1. cULus option
*2. Choose a controller to suit your application.
*3. The robot version 2.3.C or later is required to connect with the NJ/NX/NY Series.

Product name			Viper			
	Size		850			
	Cleanroom/IP	Standard	Cleanroom	IP54/65		
Part Number		RL6-2068000	RL6-2068020	RL6-2068010		
Mounting		Table/Floor/Inverted				
Number of axes			6			
Reach			855 mm			
Maximum Payload	l	5 kg				
Repeatability	XYZ		±0.03 mm			
	Joint 1		±170°			
	Joint 2		-190°, +45°			
	Joint 3		-29°, +256°			
Joint Range	Joint 4		±190°			
	Joint 5		±120°			
	Joint 6		±360°			
	Joint 4	0.295 kgm ²				
Inertia Moment	Joint 5		0.295 kgm ²			
(Max.)	Joint 6		0.045 kgm ²			
	Joint 1	250°/s				
	Joint 2		250°/s			
	Joint 3	250°/s				
Joint Speeds	Joint 4	375°/s				
	Joint 5	375°/s				
	Joint 6		600°/s			
Power Requirements		24 VDC: 6 A 200 to 240 VAC: 10 A, single-phase				
.	Base	IP40	IP40	IP54		
Protection	Robot Joints (J4, J5, J6)	IP40	IP40	IP65		
Clean Class			Class10			
Environment	Ambient Temperature	5 to 40°C				
Requirements	Humidity Range	5 t	5 to 90% (non-condensing)			
Weight		36 kg				
	Controller	eCS-ECAT				
	On-board I/O (Input/Output)		12/8			
	Conveyor tracking input		2			
Basic	RS-232C serial communications port	1				
configuration	Programming environment	Sysmac Studio 64-bit				
	ACE Sight	Yes				
	ePLC Connect	No				

Viper 850 EtherCAT version

	ePLC I/O	No	
Connectable controller		Omron NJ501-R Ser	

Viper 850

Product name		Viper			
	Size	850			
	Cleanroom/IP	Standard	Cleanroom	IP54/65	
Part Number		1720[]-38000	1720[]-38020	1720[]-38010	
Mounting			Table/Floor/Inverted		
Number of axes			6		
Reach		855 mm			
Maximum Payload	d	5 kg			
Repeatability	XYZ		±0.03 mm		
	Joint 1	±170°			
	Joint 2	-190°, +45°			
Joint Range	Joint 3		-29°, +256°		
Joint Kange	Joint 4		±190°		
	Joint 5		±120°		
	Joint 6		±360°		
	Joint 4		0.295 kgm ²		
Inertia Moment (Max.)	Joint 5	0.295 kgm ²			
(1414.)	Joint 6	0.045 kgm ²			
	Joint 1	250°/s			
	Joint 2	250°/s			
Taint Craada	Joint 3	250°/s			
Joint Speeds	Joint 4	375°/s			
	Joint 5	375°/s			
	Joint 6	600°/s			
Power Requirements		24 VDC: 6 A 200 to 240 VAC: 10 A, single-phase			
Protection	Base	IP40	IP40	IP54	
	Robot Joints (J4, J5, J6)	IP40	IP40	IP65	
Clean Class			Class10		
Environment	Ambient Temperature	5 to 40°C			
Requirements	Humidity Range	5 to 90% (non-condensing)			
Weight		36 kg			
cULus Compliant					
	Controller	eMotionBlox-60R			
Basic configuration	On-board I/O (Input/Output)	12/8			
	Conveyor tracking input	2			
	RS-232C serial communications port	1			
	Programming environment		ACE, ePLC		

ACE Sight	Yes
ePLC Connect	Yes
ePLC I/O	Yes
Connectable controller *1	eMotionBlox-60R, SmartController EX, NJ/NX/NY Series *2

*1. Choose a controller to suit your application. *2. The robot version 2.3.C or later is required to connect with the NJ/NX/NY Series.