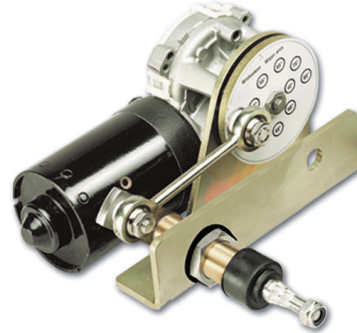


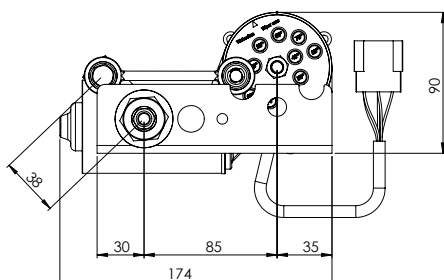
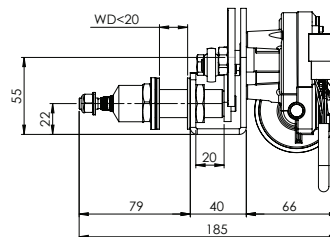
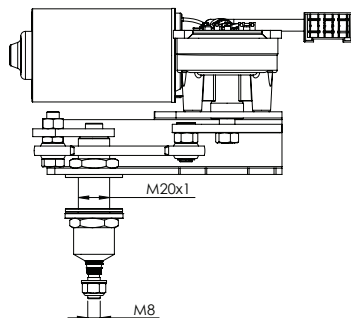
223 BDS MD1 Wiper system

Application:	Windows up to 1100mm
Torque:	23/25Nm
Design:	Closed aluminium housing
Wipe Arc system:	Disc, 40-90°, adjustable per 5°
Pantograph system:	Single arm
Shafts:	1 x $\varnothing$ 20 mm
Wiper arms:	Up to 750 mm in length
Wiper blades:	Up to 750 mm in length



Characteristics

- Pendulum wiping pattern
- 12 or 24 Volt DC
- Smooth quiet operation
- Slow and fast speed
- Self park function as standard
- Insulated earth return as standard
- Variable sweep angle as standard
- Standard shaft lengths up to 125 mm bulkhead thickness
- Various control options available for all bridge designs





223 BDS MD1 WIPER SYSTEM

Ordering details

XA2165.30S	Exalto wiper 223BDS, 12V, 23Nm, bh 20 mm	XA2166.30S	Exalto wiper 223BDS, 24V, 25Nm, bh 20 mm
XA2165.32S	Exalto wiper 223BDS, 12V, 23Nm, bh 35 mm	XA2166.32S	Exalto wiper 223BDS, 24V, 25Nm, bh 35 mm
XA2165.35S	Exalto wiper 223BDS, 12V, 23Nm, bh 55 mm	XA2166.35S	Exalto wiper 223BDS, 24V, 25Nm, bh 55 mm
XA2165.40S	Exalto wiper 223BDS, 12V, 23Nm, bh 75 mm	XA2166.40S	Exalto wiper 223BDS, 24V, 25Nm, bh 75 mm
XA2165.45S	Exalto wiper 223BDS, 12V, 23Nm, bh 100 mm	XA2166.45S	Exalto wiper 223BDS, 24V, 25Nm, bh 100 mm
XA2165.50S	Exalto wiper 223BDS, 12V, 23Nm, bh 125 mm	XA2166.50S	Exalto wiper 223BDS, 24V, 25Nm, bh 125 mm
		2109.01	Surcharge for deviating shaft length, specify length

Exalto wiper arms with adjustable spring

2103	Exalto adjustable single wiper arm, L = 300 – 450 mm, + 1 spring
2106	Exalto adjustable single wiper arm, L = 450 – 600 mm, + 1 spring
2109	Exalto adjustable single wiper arm, L = 600 – 750 mm, + 1 spring

Wiper motor covers

2101	Cover for MD1 223BDO wiper motor system, white
2115	Cover for MD1 223BDO wiper motor, black

Spares and accessories for wiper arms

2105.976	Adjustable spring
2105	Swivel
2105.048	Headcover
2105.048P	Headcover polished arm
2110.CPL	Washing jet, 6 nozzles



Exalto wiper blades

2170.HP	Exalto wiper blade, L = 250mm
2171.HP	Exalto wiper blade, L = 300mm
2172.HP	Exalto wiper blade, L = 350mm
2173.HP	Exalto wiper blade, L = 400mm
2174.HP	Exalto wiper blade, L = 450mm
2175.HP	Exalto wiper blade, L = 500mm

2176.HP	Exalto wiper blade, L = 550mm
2177.HP	Exalto wiper blade, L = 600mm
2178.HP	Exalto wiper blade, L = 650mm
2179.HP	Exalto wiper blade, L = 700mm
2195.HP	Exalto wiper blade, L = 750mm

Exalto HD wiper blades

216120	Exalto HD wiper blade, L = 610mm
216121	Exalto HD wiper blade, L = 650mm
216122	Exalto HD wiper blade, L = 700mm
216123	Exalto HD wiper blade, L = 750mm

216120P	Exalto HD wiper blade, L = 610mm, polished
216121P	Exalto HD wiper blade, L = 650mm, polished
216122P	Exalto HD wiper blade, L = 700mm, polished
216123P	Exalto HD wiper blade, L = 750mm, polished

Controller

No. of Wipers

Voltage

Electrical data

2134	for 1 wiper	12/24V	Voltage:	12 Volt / 24 Volt
2135	for 2 wipers	12/24V	Torque (max.):	23 Nm (12V) / 25Nm (24V)
2158	for 1 wiper	12V	Current:	3 A (12V) / 1,5 A (24V)
2159	for 1 wiper	24V	Recommended fuse:	5A slow blow (12V) or 3A slow blow (24V)
210341	for 1 wiper	12/24V	Power consumption:	36 W
210342	for 2 wipers	12/24V	Number of revolutions:	Low speed 40 rpm High speed 60 rpm
216324	for max. 3 wipers	12/24V	Recommended cable:	5 wires, 1½ mm² (16g) or 2½ mm² (14g) up to 10m long
210321224	for max. 2 wipers	12/24V	Grounding:	Insulated earth return
210331224	for max. 3 wipers	12/24V		
210341224	for max. 4 wipers	12/24V		
210351224	for max. 5 wipers	12/24V		