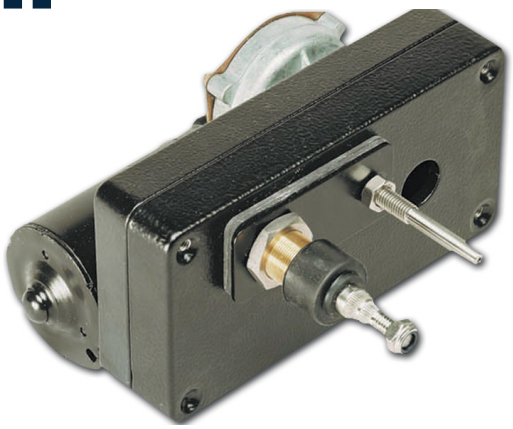
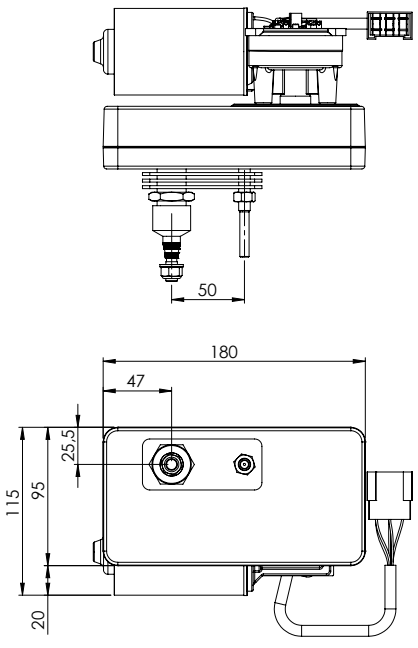
223 BDC
MD1 Wiper system

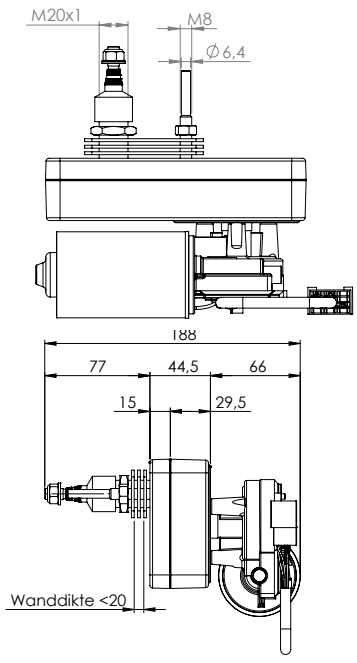
Application:	**Windows up to 1100mm**
Torque:	**23/25Nm**
Design:	**Closed aluminium housing**
Wipe Arc system:	**Disc, 40-90°, adjustable per 5°**
Pantograph system:	**Double arm**
Shafts:	**2 x ø 16 mm, 1 x ø 8 mm**
Center distance:	**50 mm**
Wiper arms:	**Up to 750 mm in length**
Wiper blades:	**Up to 750 mm in length**



Characteristics

- **Pantograph / vertical 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**





Ordering details

XA2151.30	**Exalto wiper 223BDC, 12V, 23Nm, bh 20 mm**
XA2151.32	**Exalto wiper 223BDC, 12V, 23Nm, bh 35 mm**
XA2151.35	**Exalto wiper 223BDC, 12V, 23Nm, bh 55 mm**
XA2151.40	**Exalto wiper 223BDC, 12V, 23Nm, bh 75 mm**
XA2151.45	**Exalto wiper 223BDC, 12V, 23Nm, bh 100 mm**
XA2151.50	**Exalto wiper 223BDC, 12V, 23Nm, bh 125 mm**
XA2152.30	**Exalto wiper 223BDC, 24V, 25Nm, bh 20 mm**
XA2152.32	**Exalto wiper 223BDC, 24V, 25Nm, bh 35 mm**
XA2152.35	**Exalto wiper 223BDC, 24V, 25Nm, bh 55 mm**
XA2152.40	**Exalto wiper 223BDC, 24V, 25Nm, bh 75 mm**
XA2152.45	**Exalto wiper 223BDC, 24V, 25Nm, bh 100 mm**
XA2152.50	**Exalto wiper 223BDC, 24V, 25Nm, bh 125 mm**
2109.01	**Custom made shaft length, length has to be specified at ordering**

Exalto wiper arms with adjustable spring(s)

2133	**Exalto adjustable PU wiper arm, L = 270 – 450 mm, + 1 adjustable spring**
2136	**Exalto adjustable PU wiper arm, L = 450 – 600 mm, + 1 adjustable spring**
2139	**Exalto adjustable PU wiper arm, L = 510 – 750 mm, + 1 adjustable spring**
2133.01	**Exalto adjustable PU wiper arm, L = 270 – 450 mm, + 2 adjustable springs**
2136.01	**Exalto adjustable PU wiper arm, L = 450 – 600 mm, + 2 adjustable springs**
2139.01	**Exalto adjustable PU wiper arm, L = 510 – 750 mm, + 2 adjustable springs**

Exalto wiper arms, 1 adjustable spring, polished

2133.P	**Exalto adjustable PU wiper arm, L = 270 – 450 mm, + 1 adjustable spring**
2136.P	**Exalto adjustable PU wiper arm, L = 450 – 600 mm, + 1 adjustable spring**
2139.P	**Exalto adjustable PU wiper arm, L = 510 – 750 mm, + 1 adjustable spring**

Spares and accessories for wiper arms

2133.03	**Tubing retainer strip for 2133, L = 190mm**
2136.03	**Tubing retainer strip for 2136, L = 430mm**
2139.03	**Tubing retainer strip for 2139, L = 480mm**
2105.976	**Adjustable spring**
2105	**Swivel**
2105.048	**Headcover**
2105.048P	**Headcover polished arm**
2184	**Washing jet, 2 nozzles**
2110.CPL	**Washing jet, 6 nozzles**

223 BDC MD1 WIPER SYSTEM

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
2134	for 1 wiper	12/24V
2135	for 2 wipers	12/24V
2158	for 1 wiper	12V
2159	for 1 wiper	24V
210341	for 1 wiper	12/24V
210342	for 2 wipers	12/24V
216324	for max. 3 wipers	12/24V
210321224	for max. 2 wipers	12/24V
210331224	for max. 3 wipers	12/24V
210341224	for max. 4 wipers	12/24V
210351224	for max. 5 wipers	12/24V

Electrical data	
Voltage:	**12 Volt / 24 Volt**
Torque (max.):	**23 Nm (12V) / 25Nm (24V)**
Current:	**3 A (12V) / 1,5 A (24V)**
Recommended fuse:	**5A slow blow (12V) or**
	3A slow blow (24V)
Power consumption:	**36 W**
Number of revolutions:	**Low speed 40 rpm**
	High speed 60 rpm
Recommended cable:	**5 wires, 1½ mm² (16g) or**
	2½ mm² (14g) up to 10m long
Grounding:	**Insulated earth return**