

Valve plug MDC06-2s short LED+Diode with cable

PUR 2x0.75 bk UL/CSA+drag ch. 10m

Xtreme - Outdoor Male straight Further cable lengths on request. 12...24 V DC

2-pole

Flyback diode + LED

Compatible with:

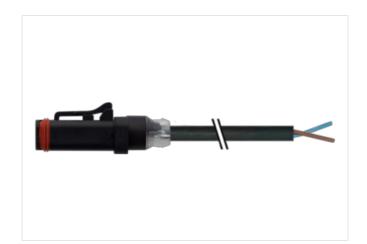
Deutsch DT06-2S

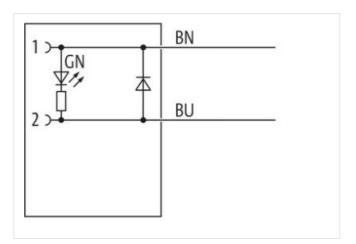
Plastic housings with good resistance against chemicals and oils.

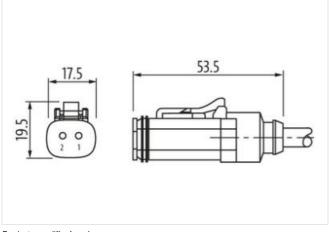
The resistance to aggressive media should be individually tested for your application. Further details on request.

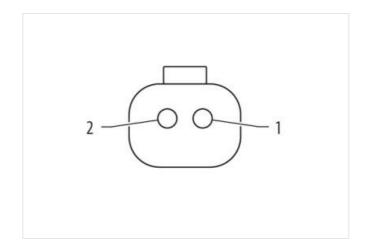
Link to Product

Illustration









Product may differ from Image









stay connected

Mounting method	Cable length	10 m
Coating contact	Side 1	
Costing contact	Mounting method	inserted
Family construction form MDC Suitable for corrupated tube (internal 0) 10 mm MBC Suitable for corrupated tube (internal 0) 10 mm MBC Suitable for corrupated tube (internal 0) 10 mm MBC Suitable for corrupated tube (internal 0) 10 mm MBC Suitable for corrupated fub. 10 mm MBC Suitable for corrupated fub. 10 mm MBC Suitable for corrupated fub. 10 mm MBC Suitable fub. 10 mm 10	-	
Suitable for corrugated tube (internal Ø)		
Material contact Copper alloy		
No. of poles 2		Copper alloy
Stripping length (jacket) 20 mm	No. of poles	
Commercial data	Side 2	
ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060312 ECLASS-1.1 27060312 ECLASS-1.1 27060312 ECLASS-1.1 27060312 ECLASS-1.1 27060312 ECLASS-1.1 27060312 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 406590907013 Packaging unit 1 Electrical data Supply Operating voltage DC min. 12 V Operating voltage DC min. 12 V Operating voltage DC max. 24 V Current operating per contact max. 8 A Diagnostics Status indication LED green Installation Connection Stripping length (jacket) 20 mm Amphenol AT06-2S Device protection Electrical Degree of protection Electrical Material gasket Silicon Material posuping PA Mechanical data Material data Material data Munting data Looking techniques Snap-in connector Environmental characteristics Climatic	Stripping length (jacket)	20 mm
ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-8.0 2706312 ECLASS-9.0 2706312 ECLASS-10.1 27060312 ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ETIM-5.0 ECO1855 customs tariff number 85444290 GTIN 406599907013 Packaging unit 1 Electrical data Supply Operating voltage DC min. 12 V Operating voltage DC min. 12 V Operating voltage DC max. 24 V Current operating per contact max. 8 A Diagnostics Status indication LED green Installation Connection Stripping length (jacket) 20 mm Amphenol AT06-2S Device protection Electrical Degree of protection (ISO 20653-2013) IP66K, IP68, IP68, IP68, IP68, IP68, IP69K Pollution Degree 2 Rated surge voltage 0.8 kV Material group (IEC 60664-1) III Additional suppressor free-wheeling diode Mechanical data Material data Material gasket Silicon Material proup (IEC 60664-1) III Additional suppressor free-wheeling diode Mechanical data Material counce PA Mechanical data Mounting data Looking techniques Snap-in connector Environmental characteristics Climatic	Commercial data	
ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060312 ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 ECLASS-12.0 1 27060312 ECLASS-10.1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	ECLASS-6.0	27279218
ECLASS-8.0 2729218 ECLASS-9.0 27060312 ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ETIM-5.0 ECO01855 Customs tariff number 85444290 GTIN 4065999007013 Packaging unit 1 Electrical data Supply Operating voltage DC min. 12 V Operating voltage DC min. 12 V Current operating per contact max. 8 A Diagnostics Status indication LED green Installation Connection Stripping length (jacket) 20 mm Family construction form Amphenol AT06-2S Device protection Electrical Degree of protection Electrical Degree of protection Electrical Material group (IEC 60664-1) III Additional suppressor free-wheeling diode Mechanical data Material data Material gasket Silicon Material pousing denth (using sepain connector Environmental characteristics Climatic	ECLASS-6.1	27279218
ECLASS-9.0 27060312 ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4065999007013 Packaging unit 1 Electrical data Supply Operating voltage DC min. 12 V Operating voltage DC max. 24 V Current operating per contact max. 8 A Diagnostics Status indication LED green Installation Connection Stripping length (jacket) 20 mm Family construction form Amphenol AT06-2S Degree of protection (ISO 20653-2013) IP66K, IP68, IP69K Pollution Degree 2 Rated surge voltage 0,8 kV Material group (IEC 60664-1) III Additional suppressor free-wheeling diode Mechanical data Material data Material possing Material possing PA Mechanical data Mounting data	ECLASS-7.0	27279218
ECLASS-10.1 27060312		
ECLASS-10.1 27060312		
ECLASS-12.0 27060312		
ECLASS-12.0 27060312 ECIM-5.0 EC001855 Customs tariff number 85444290 Rockaging unit 1 Rockaging unit 2 V Rockaging unit 24 V Rockaging unit 24 V Rockaging voltage DC max. 24 V Rockaging voltage DC max. 24 V Rockaging unit 24 V Roc		
ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4065909007013 Packaging unit 1 Electrical data Supply Operating voltage DC min. 12 V Operating voltage DC max. 24 V Current operating per contact max. 8 A Diagnostics Status indication LED green Installation Connection Stripping length (jacket) 20 mm Ermily construction form Amphenol AT06-2S Device protection Electrical Degree of protection (ISO 20653:2013) IP66K, IP68, IP69K Pollution Degree 2 Rated surge voltage 0.8 kV Material group (IEC 60664-1) III Additional suppressor free-wheeling diode Material gasket Silicon Material gasket Silicon Material pasket Silicon Material housing PA Mechanical data Mounting data Looking techniques Snap-in connector Environmental characteristics Climatic		
customs tariff number 85444290 GTIN 4065909007013 Packaging unit 1 Electrical data Supply Operating voltage DC min. 12 V Operating voltage DC max. 24 V Current operating per contact max. 8 A Diagnostics Status indication LED green Installation Connection Stripping length (jacket) 20 mm Family construction form Amphenol AT06-2S Device protection Electrical Degree of protection (ISO 20653:2013) IP66K, IP68, IP69K Pollution Degree 2 Rated surge voltage 0,8 kV Material group (IEC 60664-1) III Additional suppressor free-wheeling diode Mechanical data Material data Material gasket Silicon Material gasket Silicon Material founding data Looking techniques Snap-in connector Environmental characteristics Climatic		
GTIN 4065909007013 Packaging unit 1 Electrical data Supply Operating voltage DC min. 12 V Operating voltage DC max. 24 V Current operating per contact max. 8 A Diagnostics Status indication LED green Installation Connection Stripping length (jacket) 20 mm Family construction form Amphenol AT06-2S Device protection Electrical Degree of protection (ISO 20653:2013) IP66K, IP68, IP69K Pollution Degree 2 Rated surge voltage 0,8 kV Material group (IEC 60664-1) III Additional suppressor free-wheeling diode Mechanical data Material data Material gasket Silicon Material housing PA Mechanical data Mounting data Looking techniques Snap-in connector Environmental characteristics Climatic		
Packaging unit 1 Electrical data Supply Operating voltage DC min. 12 V Operating voltage DC max. 24 V Current operating per contact max. 8 A Diagnostics Status indication LED green Installation Connection Stripping length (jacket) 20 mm Family construction form Amphenol AT06-2S Device protection Electrical Degree of protection (ISO 20653:2013) IP66K, IP68, IP69K Pollution Degree 2 Rated surge voltage 0,8 kV Material group (IEC 60664-1) III Additional suppressor free-wheeling diode Mechanical data Material data Material gasket Silicon Material housing PA Mechanical data Mounting data Looking techniques Snap-in connector Environmental characteristics Climatic		
Electrical data Supply Operating voltage DC min. 12 V Operating voltage DC max. 24 V Current operating per contact max. 8 A Diagnostics Status indication LED green Installation Connection Stripping length (jacket) Pervice protection Electrical Degree of protection Electrical Degree of protection (ISO 20653:2013) Pfe6K, IP68, IP69K Pollution Degree 2 Rated surge voltage 0,8 kV Material group (IEC 60664-1) III Additional suppressor free-wheeling diode Mechanical data Material data Material gasket Silicon Material housing PA Mechanical data Mounting data Looking techniques Snap-in connector Environmental characteristics Climatic		
Operating voltage DC min. 12 V Operating voltage DC max. 24 V Current operating per contact max. 8 A Diagnostics Status indication LED green Installation Connection Stripping length (jacket) 20 mm Family construction form Amphenol AT06-2S Device protection Electrical Degree of protection (ISO 20653:2013) IP66K, IP68, IP69K Pollution Degree 2 Rated surge voltage 0,8 kV Material group (IEC 60664-1) III Additional suppressor free-wheeling diode Mechanical data Material data Material possing PA Mechanical data Mounting data Looking techniques Snap-in connector Environmental characteristics Climatic		
Operating voltage DC max. 24 V Current operating per contact max. 8 A Diagnostics Status indication LED green Installation Connection Stripping length (jacket) 20 mm Family construction form Amphenol AT06-2S Device protection Electrical Degree of protection (ISO 20653-2013) IP66K, IP68, IP69K Pollution Degree 2 Rated surge voltage 0,8 kV Material group (IEC 60664-1) III Additional suppressor free-wheeling diode Mechanical data Material data Material gasket Silicon Material housing PA Mechanical data Mounting data Looking techniques Snap-in connector Environmental characteristics Climatic		
Current operating per contact max. 8 A Diagnostics		
Status indication LED green Installation Connection Stripping length (jacket) 20 mm Family construction form Amphenol AT06-2S Device protection Electrical Degree of protection (ISO 20653:2013) IP66K, IP68, IP69K Pollution Degree 2 Rated surge voltage 0,8 kV Material group (IEC 60664-1) III Additional suppressor free-wheeling diode Mechanical data Material data Material gasket Silicon Material housing PA Mechanical data Mounting data Looking techniques Snap-in connector Environmental characteristics Climatic		
Status indication LED green Installation Connection Stripping length (jacket) 20 mm Family construction form Amphenol AT06-2S Device protection Electrical Degree of protection (ISO 20653:2013) IP66K, IP68, IP69K Pollution Degree 2 Rated surge voltage 0,8 kV Material group (IEC 60664-1) III Additional suppressor free-wheeling diode Mechanical data Material data Material gasket Silicon Material housing PA Mechanical data Mounting data Looking techniques Snap-in connector Environmental characteristics Climatic		8 A
Installation Connection Stripping length (jacket) 20 mm Family construction form Amphenol AT06-2S Device protection Electrical Degree of protection (ISO 20653:2013) IP66K, IP68, IP69K Pollution Degree 2 Rated surge voltage 0,8 kV Material group (IEC 60664-1) III Additional suppressor free-wheeling diode Mechanical data Material data Material gasket Silicon Material housing PA Mechanical data Mounting data Looking techniques Snap-in connector Environmental characteristics Climatic	Diagnostics	
Stripping length (jacket) 20 mm Family construction form Amphenol AT06-2S Device protection Electrical Degree of protection (ISO 20653:2013) IP66K, IP68, IP69K Pollution Degree 2 Rated surge voltage 0,8 kV Material group (IEC 60664-1) III Additional suppressor free-wheeling diode Mechanical data Material data Material gasket Silicon Material housing PA Mechanical data Mounting data Looking techniques Snap-in connector Environmental characteristics Climatic	Status indication LED	green
Family construction form Amphenol AT06-2S Device protection Electrical Degree of protection (ISO 20653:2013) IP66K, IP68, IP69K Pollution Degree 2 Rated surge voltage 0,8 kV Material group (IEC 60664-1) III Additional suppressor free-wheeling diode Mechanical data Material data Material gasket Silicon Material housing PA Mechanical data Mounting data Looking techniques Snap-in connector Environmental characteristics Climatic	Installation Connection	
Family construction form Amphenol AT06-2S Device protection Electrical Degree of protection (ISO 20653:2013) IP66K, IP68, IP69K Pollution Degree 2 Rated surge voltage 0,8 kV Material group (IEC 60664-1) III Additional suppressor free-wheeling diode Mechanical data Material data Material gasket Silicon Material housing PA Mechanical data Mounting data Looking techniques Snap-in connector Environmental characteristics Climatic	Stripping length (jacket)	20 mm
Degree of protection (ISO 20653:2013) IP66K, IP68, IP69K Pollution Degree 2 Rated surge voltage 0,8 kV Material group (IEC 60664-1) III Additional suppressor free-wheeling diode Mechanical data Material data Material gasket Silicon Material housing PA Mechanical data Mounting data Looking techniques Snap-in connector Environmental characteristics Climatic	Family construction form	Amphenol AT06-2S
Pollution Degree 2 Rated surge voltage 0,8 kV Material group (IEC 60664-1) III Additional suppressor free-wheeling diode Mechanical data Material data Material gasket Silicon Material housing PA Mechanical data Mounting data Looking techniques Snap-in connector Environmental characteristics Climatic	Device protection Electrical	
Pollution Degree 2 Rated surge voltage 0,8 kV Material group (IEC 60664-1) III Additional suppressor free-wheeling diode Mechanical data Material data Material gasket Silicon Material housing PA Mechanical data Mounting data Looking techniques Snap-in connector Environmental characteristics Climatic		IP66K, IP69K
Rated surge voltage 0,8 kV Material group (IEC 60664-1) III Additional suppressor free-wheeling diode Mechanical data Material data Material gasket Silicon Material housing PA Mechanical data Mounting data Looking techniques Snap-in connector Environmental characteristics Climatic		
Material group (IEC 60664-1) Additional suppressor free-wheeling diode Mechanical data Material data Material gasket Silicon Material housing PA Mechanical data Mounting data Looking techniques Snap-in connector Environmental characteristics Climatic		
Additional suppressor free-wheeling diode Mechanical data Material data Material gasket Silicon Material housing PA Mechanical data Mounting data Looking techniques Snap-in connector Environmental characteristics Climatic		
Material data Material data Material gasket Silicon Material housing PA Mechanical data Mounting data Looking techniques Snap-in connector Environmental characteristics Climatic		
Material housing PA Mechanical data Mounting data Looking techniques Snap-in connector Environmental characteristics Climatic		
Material housing PA Mechanical data Mounting data Looking techniques Snap-in connector Environmental characteristics Climatic	Material gasket	Silicon
Mechanical data Mounting data Looking techniques Snap-in connector Environmental characteristics Climatic		
Looking techniques Snap-in connector Environmental characteristics Climatic		
Environmental characteristics Climatic	, , , , ,	Snan-in connector
		Only in conficulti
Operating temperature min25 °C	·	05.00
Operating temperature may 95 °C		
Operating temperature max. 85 °C		
Additional condition temperature range depending on cable quality		depending on cable quality
Important installation notes	important installation notes	
Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.



stay connected

Note on bending radius

Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.

	endangered by excessive bending forces.
Installation Cable	
wire arrangement	brown, blue
Cable identification	754
Cable Type	3
Jacket Color	black
Type of Certificate	cURus
Amount stranding	1
Stranding	2 wires twisted
wire arrangement	brown, blue
Cable weigth	40,7 g/m
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	5 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP
Amount wires	2
Outer diameter insulation	1,7 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	70 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	42
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,75 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	12 A
Electrical resistance line constant wire	26 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404 Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	10 m @ 25 °C horizontal
Travel speed (C-track)	3 m/s @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min
i oroion apoca	55 5,555