

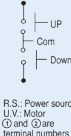
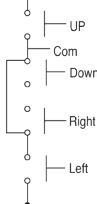
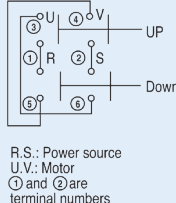
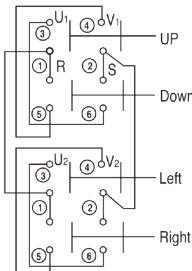


CRANE & VEHICLE CONTROLS

14

Explore precision and reliability with our advanced Crane and Vehicle Controls, engineered to enhance safety and efficiency in every operation. From intuitive interfaces to cutting-edge technology, our crane and vehicle controls redefine industry standards, ensuring seamless performance and peace of mind.

HOIST PENDANT STATIONS IP65

				
				
Code	COB61	COB62	COB21	COB22
	2 way up/down @ 5A 250VAC	4 way up/down & left/right @ 5A 250VAC	2 way up/down direct operation @ 5A 250VAC	4 way up/down & left/right U ₁ direct operation @ 2.2kW 500V

 COB802 COB802-N80D		 COB803	Features • High quality ABS Housing • Water-proof enclosure IP65 • Direct switching 5A @ 250VAC
		 N80D	 COB-LEG
			 COB-COV
Code COB802 COB802-N80D COB803	Description 2 Button Up/Down Single Depression 2 Button Double Depression 4 N/O contacts @ 5A with mechanical interlock 2 Button Up/Down and Emergency Stop <i>The above supplied standard with Up/Down Labels.</i> Accessories for COB802/3 only		
N80D	Momentary Buttons 2 speed with mechanical interlocking		
Legends			
COB-LEG	Legend Card c/w All Legends (2-Speed, Raise, Lower, FWD, REV, LEFT, RIGHT etc) 28 Legends		
COB-COV	Pendant Switch Button Cover		

TELECRANE™ RADIO REMOTE CONTROL SYSTEMS IP65

2 Button 1 x motion	4 Button 2 x motion	6 Button 3 x motion	6 Button 3 x motion	12 Button 6 x motion
				
F21-2S	F21-4S	F21-E1B	F24-6S	F24-12S
Single Speed with Start button	Single Speed c/w Emerg. Stop & on/off selector	Single Speed with Start/Stop button	Single Speed c/w Emerg. Stop & on/off selector	Single Speed c/w Emerg. Stop & on/off selector
F21-2D	F21-4D		F24-6D	F24-12D
2-speed with Start button	2-speed c/w Emerg. Stop & on/off selector		2-Speed c/w Emerg. Stop & on/off selector	2-Speed c/w Emerg. Stop & on/off selector

 Receiver		 Receiver	
Extras	Code	Code	Description
	OPT08		USB Interface Cable for programming of button functions
	F21-*-TX		Spare Transmitters
*Add 2S, 2D, 4S, 4D or E1B		*Add 6S, 6D, 12S or 12D	
Specifications • Very low power consumption design using only 2 AA size Alkaline batteries with 4 months average battery life • Integrates Hamming Code, Self-diagnosis & 4.3 billion ID Codes • Easy programming via downloadable software • Operating distance: 50-100 metres (dep. on model)		Specification • Operating frequency: 415-483MHz • Frequency Control: Phase Lock Loop (PLL) • Power: 2 x 1.5V Alkaline or rechargeable AA batteries • RF Power: Less or equal to 10mW • Harmonic: More or equal to 65dB	

CRANE CONTROLS

Accessories		LAP
Contact Blocks 6A AC11 @ 250V		
Single depression	1 N/O	DMK-10
Single depression	1 N/O + 1 N/C	DMK-11
Single depression	2 N/O	DMK-20
Double depression	2 N/O	DMK-20PR
	2-Way Bridge	DLACC2SQ
	4-Way Bridge	DLACC4
Operators		
E-Stop, twist to release		DLAE-M 
Lamp holder		DLAP-L
Key-switch on/off		DLAK-S
Blanking plug		DLAS-39
Mechanical Interlock		DPK-64
Buttons - Can be installed in any 90° Position		
	Red – Stop	DLAS-34 
	Green – Start	DLAS-30 
	Yellow – Alarm	DLAS-32 
	Green – Alarm	DLAS-31 
	Black	DLAS-16 
	Black	DLAS-07 
	Black	DLAS-08 
	Black	DLAS-02 
	Black	DLAS-12 
	Black	DLAS-06 
	Black	DLAS-22 
	Black	DLAS-26 
	Rubber Gasket	DLAGUA2



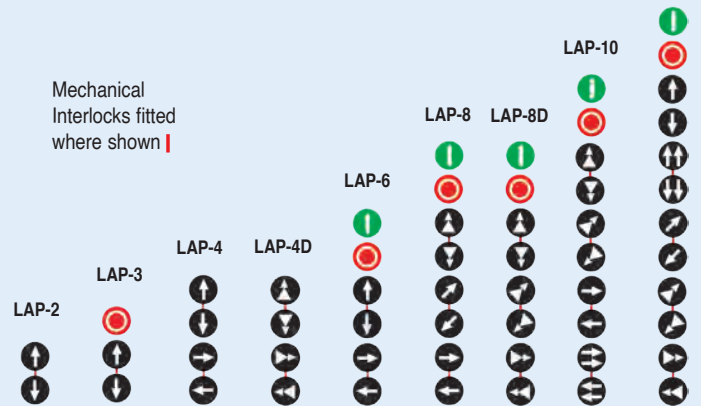
LAP

Single Row Pendant Stations LAP IP65

No. Ways	Single Row	Double Dep
2	LAP-2	–
3	LAP-3	–
4	LAP-4	–
4	LAP-4D	4
6	LAP-6	–
8	LAP-8	2
8	LAP-8D	6
10	LAP-10	4
12	LAP-12	4

LAP-12

Mechanical Interlocks fitted where shown 



Accessories		PKP
Contact Blocks 6A AC11 @ 250V		
Single depression	1 N/O	DMK-10
Single depression	1 N/O + 1 N/C	DMK-11
Single depression	2 N/O	DMK-20
Double depression	2 N/O	DMK-20PR
Operators		
E-Stop, twist to release		DPK-60 
Lamp holder		DPK-61
Key-switch on/off		DPK-62
Blanking plug		DPK-63
Mechanical Interlock		DPK-64
Buttons - Can be fitted in any 90° Position		
Black	DPK-72 	Red – Stop
Black	DPK-75 	Green – Start
Black	DPK-76 	Yellow – Alarm
Black	DPK-77 	Green – Alarm
Black	DPK-44 	Black
Black	DPK-56 	Black
		DPK-74 
		DPK-73 
		DPK-68 
		DPK-69 
		DPK-70 
		DPK-71 



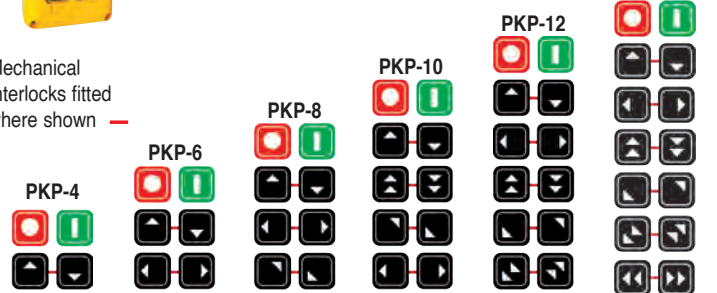
PKP

Double Row Pendant Stations PKP IP65

No. Ways	Single Row	Double Dep
4	PKP-4	–
6	PKP-6	–
8	PKP-8	–
10	PKP-10	2
12	PKP-12	4
14	PKP-14	6

PKP-14

Mechanical Interlocks fitted where shown 



CRANE & VEHICLE CONTROLS

Joystick Controllers

Code	Description
MW2-33	4 direction, 3 position open joystick (4 way, 3 step)
MW2-44	4 direction, 4 position open joystick (4 way, 4 step)
MW33-33*	4 direction, 3 position mobile control station (4 way, 3 step)
MW44-44*	4 direction, 4 position mobile control station (4 way, 4 step)

* Comprising two joysticks in box, 3 pushbuttons and shoulder belt

Accessories for MW2

Code	Description	Code	Description
MW-70	Knob and shaft	MW-72	Contact block 6A
MW-71	Rubber boot for shaft	MW-80	No. 1 CAM
MW-73	Legend - Hoist	MW-75	Legend - Cross Travel
MW-74	Legend - Long Travel	MW-76	Legend - Rotation



DC CONNECTORS

DC Connectors - In accordance with standard EN1175-1

Volts	Colour	50-70A	175A	160A	320A
12V	● Yellow	—	E78232-00	E78065	—
18V	● Orange	—	E78228-00	—	—
24V	● Red	E78184-00	E78236-00	E78070	E78341
36V	● Grey	E78180-00	E78220-00	E78050	E78331
80V	● Blue	—	E78224-00	E78055	E78336
80V	● Black	E78181-00	G944BK	E78082	E78350
120V	● Purple	—	—	—	E78359

Accessories

Spare Main Contacts	E78265-00	E78270-00	E78280	E78285
Hook Form Handle	E78295-05	—	—	—
Cable Clamp	—	E78010-00	E78000	E78000
Grey Handle	—	E78290-02	E78290	E78297
Red Handle	E78295-00	E78291-02	E78291	E78298
Pilot contact – Male	—	—	E78078	E78078
Pilot contact – Female	—	—	E78277	E78277

- 50A Cable Size 13.3mm²
- 175A Cable Size 53.3mm²
- 160A Cable Size 50mm²
- 320A Cable Size 70mm²

NB: Two of the same type make a set



High Current DC Plugs & Sockets IP23

Current	Cable size	Plug Code	Socket Code	Handle Code
80A	16 or 25mm	SBC80B	PBC80B	MAN80S
160A	16-25-35-50mm	SBC160	PBC160	M160320S
320A	35-50-70mm	SBC320	PBC320	M160320S

• Fitted with an operating voltage codifier • DC V 12-36-48-72-80-96



DC Contactors - 1 N/O contacts

Code	T-106A*	T-206A*	100% Duty 1N/O
Nominal operating current at 50% duty current ± 300 op/h	120A	180A	150A
Nominal thermal current at 100% duty (continuous)	80A	150A	100A
Operating Voltage	12/24/36V	12/24V	24/48/72V
Breaking Capacity with 15ms time	480A	720A	675A
Coil Consumption 100% duty	11W	20W	20W

*Add Voltage to code: 12VDC, 24VDC, 36VDC

DC Changeover Contactors - 1 N/O + 1 N/C contacts

Code	T-106C*	T-206C*	100% Duty 2N/O
Nominal operating Current at 50% duty Current ± 300 op/h	120A 80A	180A	150A
Nominal thermal continuous current at 100% duty	80A 60A	150A	100A
Operating Voltage	12/24V	12/24V	24/48/72V
Breaking Capacity with 15ms time	480A	720A	675A
Coil Consumption 100% duty	11W	20W	20W

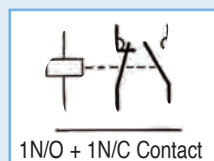
Reversing Contactor Code

*Add Voltage to code: 12VDC, 24VDC



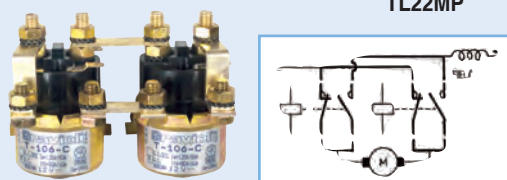
* On request - coils for 36-48-72-80VDC

TL20MP



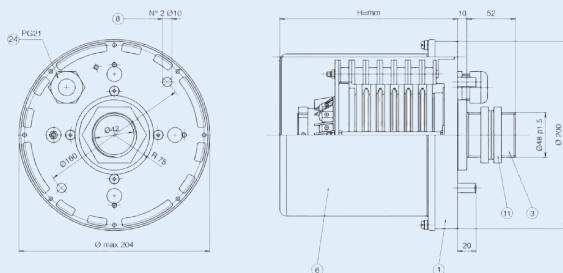
Standard with voltages 12 or 24VDC

TL22MP



SLIP RINGS (RING COLLECTORS)

- 42mm Through hole passage | Vertical Axis
- Copper-Graphite Brushes
- Cable entry through PG21
- Conforms to EN60947-5-1, EN60529



PRS Series IP55 - Standard Type - Aluminium Housing

Code	No Rings - 20A	No Rings - 30A	Size - (Ø x H)mm
GPRSC4	-	4	180 x 192
GPRSC6	-	6	180 x 192
GPRSC8	-	8	180 x 252
GPRSC10	-	10	180 x 252
GPRSC12	-	12	180 x 312

PRS Series IP55 - Mixed Ring Type - Aluminium Housing

Code	No Rings - 20A	No Rings - 30A	Size - (Ø x H)mm
GPRSC4/B7	7	4	180 x 282
GPRSC4/B8	8	4	180 x 312
GPRSC4/B9	9	4	180 x 342

- Nominal Voltage: 660VAC/DC
- Test Voltage: 2.5kV
- Nominal Current (Ith): 20A - 30A (See Code)
- Operating Temperature: -20°C to 60°C
- Max Rotating Speed: 30RPM

PRP Series IP51 - Standard Type - Thermoplastic Insulated Housing

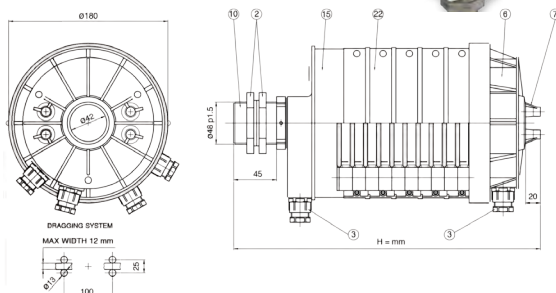
Code	No Rings - 20A	No Rings - 30A	Size - (Ø x H)mm
GPRPC4	-	4	180 x 260
GPRPC6	-	6	180 x 290
GPRPC8	-	8	180 x 320
GPRPC10	-	10	180 x 350
GPRPC12	-	12	180 x 380

PRP Series IP51 - Mixed Ring Type - Thermoplastic Insulated Housing

Code	No Rings - 20A	No Rings - 30A	Size - (Ø x H)mm
GPRPC4/B2	2	4	180 x 290
GPRPC4/B4	4	4	180 x 320
GPRSC4/B6	6	4	180 x 350

- Nominal Voltage: 660VAC/DC
- Test Voltage: 2.5kV
- Nominal Current (Ith): 20A - 30A (See Code)
- Operating Temperature: -20°C to 60°C
- Max Rotating Speed: 30RPM

- 42mm Through hole passage | Vertical Axis
- Copper-Graphite Brushes
- Cable entry through PG21
- Cable entry on both flanges
- Conforms to EN60947-5-1, EN60529



WORM DRIVE LIMIT SWITCHES IP65

FRS/FCN Type - with failsafe positive opening microswitches

Ratio	Code 2 Contacts	Code 4 Contacts
1:25	BFRS25R2	BFRS25R4
1:50	BFRS50R2	BFRS50R4
1:100	BFRS100R2	BFRS100R4
1:150	BFRS150R2	BFRS150R4
1:175	BFRS175R2	BFRS175R4
1:200	BFCN200P2	BFCN200P4
1:400	BFCN400P2	BFCN400P4

Accessories

For BFCN	For BFRS	Description
-	FRS-R	Microswitch N/C 230V 10A (Standard for BFRS)
FCN-APINT	-	Microswitch N/C 230V 10A (Standard for BFCN)
FCN-DINT	-	Microswitch with deviation contacts 230V 10A
FCN-LEVA	FRS-LEVA	20° Tripping angle cam Type A
FCN-LEVB	FRS-LEVB	45° Tripping angle cam Type B
FCN-LEVC	FRS-LEVC	90° Tripping angle cam Type C
FCN-INNFC	FCN-INNFC	Male connection
FCN-AFLESFC	FCN-AFLESFC	Flexible shaft
FCN-POT	FRS-POT*	10kΩ pot & mounting kit

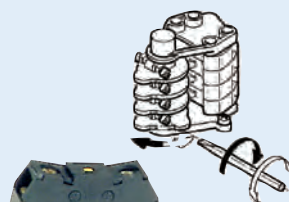
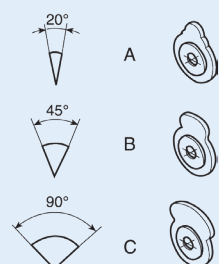
*BFRS Type switches can accommodate either the contacts or potentiometer, not both.



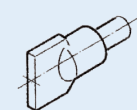
BFRS Type

BFCN-TYPE

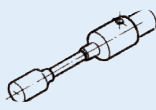
CAM TYPES



FCN-APINT



FCN-INNFC



FCN-AFLESFC



FCN-POT

NEW

CONTROL SWITCHES IP54

Code	XDL75-JB181P	XDL75-JB261P	XDL75-JB364P	XDL75-JB424P
Description	1 Way Control Station	2 Way Control Station	3 Way Control Station	4 Way Control Station
Code	XDL75-JB625P	XDL75-JB702P	XDL75-JB381P	XDL75-JB534P
Description	6 Way Control Station	7 Way Control Station	3 Way Control Station	5 Way Control Station

NEW

RADIO REMOTE CONTROL SYSTEMS IP65

	3 Button	4 Button	6 Button	8 Button
	XDL19-XCD-DC	XDL19-F21-4*	XDL19-F21-6*	XDL19-F21-8*
Type	Single Speed with Emergency Stop	Single Speed with Emergency Stop	Single Speed with Emergency Stop	Single Speed with Emergency Stop
Spare Transmitter	XDL19-XCD-3TX/G	XDL19-F21-4TX/G	XDL19-F21-6TX/G	XDL19-F21-8TX/G
Indication	For Truck Tail Board	For Industrial Cranes		



Transmitter

Extras

Code	Description
OPT10	USB Interface Cable for programming of button functions



Receiver

Specifications

- Control Distance: ≤ 200m
- Controller Power: 3.7V (1200mAh Battery)
- Frequency Range: 415~435MHz
- Power Consumption: <5W
- Receiver Voltage XDL19-F21: 230VAC
- Receiver Voltage XDL19-XCD: 12-24VDC

* For DC (-12-36VDC) power supply, add to code: **-DC**