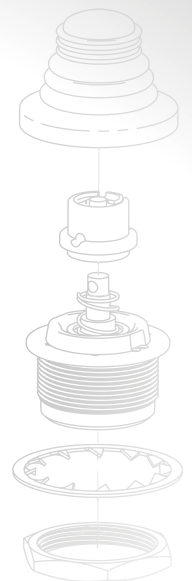
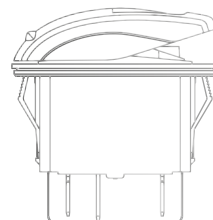
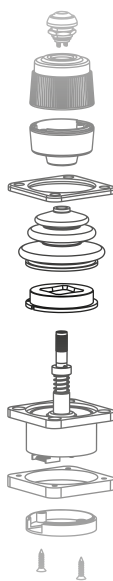
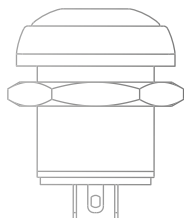




AGRICULTURAL MACHINERY



A WORLD OF
SWITCHING CAPABILITIES

APEM IN AGRICULTURAL MACHINERY

APEM is a leading manufacturer of high-reliability Human Machine Interface (HMI) products with more than 20 years' experience in the agricultural industry.

With vertically integrated manufacturing, APEM offers its agricultural customers uncompromised reliability through its custom product development, manufacturing excellence and outstanding service.

APEM offers a broad range of HMI components designed for the agricultural market, including toggles, rockers and pushbutton switches, LED indicators, paddle controllers as well as switch panels and joysticks.

UNPARALLELED EXPERIENCE

REACTIVITY TO
SUPPORT YOUR
CUSTOM DESIGN



A BROAD RANGE OF PRODUCTS AND SOLUTIONS

APEM OFFERS

① STANDARD PRODUCTS



② CUSTOMIZED PRODUCTS

APEM offers unique expertise in HMI product customization.

With robust development processes, based on the automotive APQP method, APEM supports custom design specifications for exclusive HMI requirements.



③ CAPABILITY TO ADD ELECTRONICS and SOFTWARE functions

PERFORMANCE - APEM's fully integrated front panel solutions ensures the highest performance to mechanical, electrical, environmental and EMC/EMI standards.

EFFICIENT INTEGRATION - APEM can design electronics and connector systems to fit most applications.



**COMMUNICATION
PROTOCOLS**
CANbus (J1939, CANopen),
RS422, RS485, USB...

**INTEGRATED
BOOT LOADER**
Diagnostic and software
upgrade capability

**ELECTRONICS AND
SOFTWARE DESIGN**

LOW POWER

BIT SOFTWARE
Real time Built-In-Test

FILTERING & PROTECTION
ESD, EMI, filter and protection
of network...

INTEGRATED DIMMING

OUR PRODUCTS

APEM OFFERS THE WIDEST RANGE OF HMI COMPONENTS & SOLUTIONS WITH OVER 125,000 STANDARD PART NUMBERS INCLUDING SWITCHES, JOYSTICKS, SWITCH PANELS, INDICATORS.

PANEL SWITCHES



5000 Series 6
HIGH PERFORMANCE MINIATURE TOGGLE



600 & 600NH Series 7
SUPERIOR QUALITY TOGGLE SWITCH



FP Series 8
DESIGNED TO ATTRACT ATTENTION



FD Series 9
DOUBLE ICON ILLUMINATED PUSHBUTTON



IP Series 10
HIGHLY VERSATILE PUSHBUTTON



A1 Series 11
BACKLIT ALUMINUM PUSHBUTTONS



MSG & CSG series 12
DESIGNED TO PROTECT



SEALING BOOTS 13
PROTECTS AGAINST DUST, SAND AND WATER



KL Series 14
PROLONGED USE WITH CRITICAL FUNCTIONS



KR Series 15
SEALED, CUSTOMIZABLE ROCKER



A01ES-D Series 16
HIGH QUALITY AND COST EFFECTIVE E-STOP SOLUTION

PCB SWITCHES



MULTIMEC 5 Series 17
ABSOLUTE RELIABILITY AND FUNCTIONALITY

INDICATORS



Q SERIES 18
LARGE VARIETY OF LED SIZES AND COLORS

JOYSTICKS



PC Series 19
PROPORTIONAL ERGONOMIC HANDHELD DEVICE



HR Series 20
UNIQUE THUMB CONTROL MECHANISM



TS Series 21
PRECISION FINGERTIP CONTROL



1000 Series 22
COMPACT SWITCH JOYSTICK



3000 Series 23
COMPACT, PRECISION HALL EFFECT JOYSTICK



HG Series 24
RUGGED HANDGRIP JOYSTICK



AG Series 25
ERGONOMICALLY DESIGNED FOR PERFORMANCE



CJ Series 26
DESIGNED FOR OPERATOR COMFORT

SWITCH PANELS



ENHANCED MEMBRANE KEYPADS 27
SEALED AND SHOCK RESISTANT KEYPAD



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STANDARD SOLUTION FOR MULTIPLE BUTTON APPLICATIONS



STAINLESS STEEL KEYPADS 29
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ELECTRONICS & SOFTWARE 31
ON DEMAND ELECTRONICS & SOFTWARE INTEGRATION

5000 SERIES

TOGGLE SWITCHES



HIGH PERFORMANCE MINIATURE TOGGLE

- High performance, sturdy construction
- Widest variety of actuators, contact materials, functions, poles, terminals, bushings, finishes & sealings
- Visual versatility: sealing boots in 6 different colors
- Easily adaptable to final application
- Available with low level contact

SERIES	APPROVALS	POLES	MAXIMUM RATINGS	BUSHING DIMENSIONS	TERMINAL OPTIONS							MOUNTING OPTIONS	SEALING	ILLUMINATION
					Solder lugs	Quick-connect	Screw	PCB	Flying leads	Wire wrap	Cable			
5000	VDE-UL-CSA-CECC	1,2,3,4	3A 250VAC	Ø6 (.236)	x	x	x	x				Panel, Vertical - Through hole, Horizontal-Through hole, Vert. right angle-Through hole	Optional	
			4A 30VDC	Ø6,35 (1/4)										
				Ø11,9 (15/32)										

600 & 600NH SERIES

POWER TOGGLE SWITCHES



SUPERIOR QUALITY TOGGLE SWITCH

- Superior reliability and longer life
- Great sealing
- Visual versatility
- Sealing boots in a wide range of colors and lever choices including paddle levers for at-a-glance directional control

SERIES	APPROVALS	POLES	MAXIMUM RATINGS	BUSHING DIMENSIONS	TERMINAL OPTIONS							MOUNTING OPTIONS	SEALING	ILLUMINATION
					Solder lugs	Quick-connect	Screw	PCB	Flying leads	Wire wrap	Cable			
600H	NF-VDE-UL-CSA	1,2,3	15A 250VAC	Ø12 (.472)	x	x	x					Panel	Optional	
			10A 24VDC											
600NH	NF-VDE-UL-CSA	1,2,3	15A 250VAC	Ø12 (.472)	x	x	x					Panel	No	
			10A 24VDC											

TOP APP : NAVIGATION & CONTROL SYSTEMS FOR PRECISION FARMING APPLICATIONS
REMOTE CONTROLS FOR HYDRAULIC ATTACHMENTS / TRACTORS, COMBINES & SPRAYERS



TOP APP : TRACTOR ATTACHMENTS & IMPLEMENTS,
SPRAYERS & HARVESTING EQUIPMENT LIVESTOCK HOUSING, GREENHOUSES, CONTROL UNITS



FP SERIES

FULLY ILLUMINATED PUSHBUTTON SWITCHES



DESIGNED
TO ATTRACT
ATTENTION

- Full actuator or symbol illumination
- 24/26/30mm diameters
- Sealed up to IP69K
- Threaded or snap-in versions
- Fully customizable

SERIES	APPROVALS	POLES	MAXIMUM RATINGS	BUSHING DIMEN- SIONS	TERMINAL OPTIONS							MOUNTING OPTIONS	SEALING	ILLUMI- NATION
					Solder lugs	Quick-connect	Screw	PCB	Flying leads	Wire wrap	Cable			
FP		1,2	4A 12VDC	Ø24 (.944)	x				x		x	Panel, snap-in or threaded bushing	Up to 69k	x
			200mA 12VDC	Ø26 (1,024)										
				Ø30 (1.18)										

FD SERIES

DOUBLE ICON ILLUMINATED PUSHBUTTON SWITCHES



DOUBLE ICON
ILLUMINATED
PUSHBUTTON

- 3 standard legends (0/1, START/STOP, ON/OFF)
- Sealed up to IP69K
- Threaded or snap-in versions

SERIES	APPROVALS	POLES	MAXIMUM RATINGS	BUSHING DIMEN- SIONS	TERMINAL OPTIONS							MOUNTING OPTIONS	SEALING	ILLUMI- NATION
					Solder lugs	Quick-connect	Screw	PCB	Flying leads	Wire wrap	Cable			
FD		1,2	4A 12VDC	Ø24 (.944)	x							Panel, Snap-in or threaded bushing	IP69K (threaded bushing)	x
			200mA 12VDC	Ø26 (1,024)										

TOP APP : IN-CAB CONTROL PANELS, TRACTORS, COMBINES, SPECIALTY HARVESTERS, SELF-PROPELLED SPRAYERS



TOP APP : AGRICULTURE MACHINERY DASHBOARD (ENGINE START)



IP SERIES

COMPACT PUSHBUTTON SWITCHES



HIGHLY VERSATILE PUSHBUTTON

- High performance pushbuttons
- Largest selection of color, shapes, terminals, markings, backlighting
- Unified look, differentiated functions, simplified purchasing

SERIES	APPROVALS	POLES	MAXIMUM RATINGS	BUSHING DIMENSIONS	TERMINAL OPTIONS							MOUNTING OPTIONS	SEALING	ILLUMINATION
					Solder lugs	Quick-connect	Screw	PCB	Flying leads	Wire wrap	Cable			
IP	UL	1	5A 28VDC	Ø12 (.472)	X	X		X	X			Panel	IP67	X
			4A 12VDC											

A1 SERIES

ENGRAVED ALUMINUM PUSHBUTTONS



BACKLIT ALUMINUM PUSHBUTTON

- Chemical etched custom legends
- One to four pole changeover contact arrangement
- Contact rating from 10mA 5VAC to 6A 250VAC/12VDC
- Super bright LEDs visible even in strong daylight
- Flush mounting bezel option for a sleek appearance

SERIES	APPROVALS	POLES	MAXIMUM RATINGS	BUSHING DIMENSIONS	TERMINAL OPTIONS							MOUNTING OPTIONS	SEALING	ILLUMINATION
					Solder lugs	Quick-connect	Screw	PCB	Flying leads	Wire wrap	Cable			
A1	UL/CSA-VDE	1,2,3,4	6A 250VAC	Ø22 (0.866)	X	X		Option				Panel, flush mounting	Up to IP65, optional back panel sealing	X
			6A 12VDC											

TOP APP : SPRAYERS, TRACTORS, COMBINES, SPECIALTY HARVESTERS



TOP APP : IN-CAB CONTROL PANELS, TRACTORS, COMBINES, SPECIALTY HARVESTERS, SELF-PROPELLED SPRAYERS



MSG & CSG SERIES

SWITCH GUARDS



DESIGNED TO PROTECT

- High robustness with no risk of jamming
- Variety of locking options (MSG)
- Hydrocarbon/acid/chemical resistant (MSG)
- Easy marking on top (MSG)
- Complements APEM's toggle range
- Anti-tamper wire seal hole as standard

SERIES	CAP MATERIAL	SUPPORT PLATE	OPERATING TEMPERATURE	MECHANICAL LIFE	SWITCHES	LEVER LENGTH
CSG	Thermoplastic	Thermoplastic	-20°C to + 55°C		Ø11.9mm, Ø12mm threaded bushing	17.5mm outside bushing
MSG	Thermoset	Matte black stainless steel	-40°C to +85°C	20,000 cycles	Ø11.9mm, Ø12mm threaded bushing	17.5mm outside bushing

TOP APP : IN-CAB CONTROLS, TRACTORS, COMBINES, SPECIALTY HARVESTERS, SELF-PROPELLED SPRAYERS



SEALING BOOT SERIES

SEALING BOOTS



PROTECTS AGAINST DUST, SAND AND WATER

- Wide variety of shapes & colors
- Fast customization to accomodate any actuator length
- Available in silicone and neoprene

SERIES	BOOT MATERIAL	NUT MATERIAL	OPERATING TEMPERATURE	TEMPERATURE RANGE		Elasticity	Mechanical resistance
				Low	High		
SEALING BOOTS	Neoprene or silicone	Brass, nickel plated, matte black	Silicone	-40°C to +85°C	Best	Best	Good
			Neoprene	-20°C to +50°C	Good	Better	Best

TOP APP : IN CAB & FENDER IN AGRICULTURAL EQUIPMENT, REMOTE CONTROLS, TRACTORS, COMBINES, SPECIALTY HARVESTERS, SELF-PROPELLED SPRAYERS



KL SERIES

LOCKING POWER ROCKER SWITCHES



PROLONGED
USE IN CRITICAL
FUNCTIONS

- Field proven reliability
- Solid construction
- Intuitive ergonomics
- Easy-operation one hand activation

SERIES	APPROVALS	POLES	MAXIMUM RATINGS	PANEL CUT-OUT	TERMINAL OPTIONS							MOUNTING OPTIONS	SEALING	ILLUMINATION
					Solder lugs	Quick-connect	Screw	PCB	Flying leads	Wire wrap	Cable			
KL		1,2	10A 24VDC	36,8 X 21,08	x	x	x					Panel	IP68	x

KR SERIES

POWER ROCKER SWITCHES



SEALED,
CUSTOMIZABLE
ROCKER

- Large variety of colors & laser etched symbols
- Infinite number of options available for cost effective customization solutions
- Connectors and mounting panel accessories available
- Illuminated and non-illuminated

SERIES	APPROVALS	POLES	MAXIMUM RATINGS	PANEL CUT-OUT	TERMINAL OPTIONS							MOUNTING OPTIONS	SEALING	ILLUMINATION
					Solder lugs	Quick-connect	Screw	PCB	Flying leads	Wire wrap	Cable			
KR		1,2	10A 24VDC	36,8 X 21,08	x	x	x					Panel	IP68	x

TOP APP : PTO ENGAGEMENT & OTHER CRITICAL FUNCTIONALITIES IN TRACTORS, COMBINES, SPECIALTY HARVESTERS & SELF-PROPELLED SPRAYERS



TOP APP : IN-CAB CONTROLS, TRACTORS, COMBINES, SPECIALTY HARVESTERS, SELF-PROPELLED SPRAYERS



A01ES-D SERIES

EMERGENCY STOP SWITCHES



HIGH QUALITY AND
COST EFFECTIVE
E-STOP SOLUTION

- Red mushroom-head: twist to reset
- Extremely reliable single & double pole positive break switch
- Custom actuator printing available
- Approved to EN60947-5-5

SERIES	APPROVALS	POLES	MAXIMUM RATINGS	BUSHING DIMENSIONS	TERMINAL OPTIONS							MOUNTING OPTIONS	SEALING	ILLUMINATION
					Solder lugs	Quick-connect	Screw	PCB	Flying leads	Wire wrap	Cable			
A01ES-D	EN60947-5-5	1,2 (positive break)	6A 250VAC 6A 12VDC	Ø16mm (.629)	x	x						Panel	IP65	

TOP APP : TRACTORS, COMBINES, SPECIALTY HARVESTERS, REMOTE CONTROLS, MILKING EQUIPMENT



MULTIMEC 5 SERIES

HIGH PERFORMANCE PCB SWITCHES



ABSOLUTE
RELIABILITY AND
FUNCTIONALITY

- 10 million trouble-free actuations
- Impervious to top layer damage
- Superior sealing
- Superior illumination with integrated chip-LEDs
- Available in NC/NO

SERIES	POLES	MAXIMUM RATING	MOUNTING OPTIONS	SEALING	MECHANICAL LIFE
Multimec 5G series - 5E & 5G	Single pole / momentary	50mA - 24VDC	Trough hole or SMT mounting	IP67	10 000 000 operations

TOP APP : TRACTORS, COMBINES, SPECIALTY HARVESTERS



Q SERIES

PANEL MOUNT LED INDICATORS



LARGE VARIETY
OF SIZES
AND COLORS

- Reverse diode protection available
- Wide variety of LED colors
- Optional sealing up to IP67
- Many different panel cut-out sizes
- Available with custom and secret until lit legends

SERIES	PANEL CUT-OUTS	MAXIMUM RATINGS	BEZEL STYLES	BEZEL FINISHES	TERMINAL OPTIONS				TYPE OF ILLUMINATION	LED COLORS
					Solder lugs	Fastons	Pins	Wires		
Q	Ø6, 8, 12, 14, 16, 19, 22	2VDC -220VAC	Prominent, recessed & flushed	Bright, satin & black chrome	X	X	X	X	Fixed light, flashing bi-color, tri-color, night vision	5 standard colors, 5 super-bright colors

PC SERIES

HANDHELD PENDANT CONTROLLER



PROPORTIONAL
ERGONOMIC
HANDHELD
DEVICE

- USB and analog output
- Lightweight, one hand design
- Excellent proportional control
- Easily configured with APEM components
- Mechanical lifecycles and technology dependent on custom configuration

SERIES	MECHANICAL LIFECYCLES	AXIS	TECHNOLOGY	OUTPUT OPTION						MOUNTING OPTIONS	SEALING
				Single	Dual	Analog	PWM	USB	CANbus		
PC						X		X			VARIES, DEPENDING ON CONFIGURATION

TOP APP : ALL AGRICULTURAL MACHINERY



TOP APP : TRACTORS, COMBINES, SPECIALTY HARVESTERS



HR SERIES

PROPORTIONAL THUMBWHEELS



UNIQUE THUMB CONTROL MECHANISM

- Backlighting & detent options available (up to 11)
- Self centering spring return mechanism
- Non-contacting Hall effect technology
- Choice of 4 actuator styles

SERIES	MECHANICAL LIFECYCLES	AXIS	TECHNOLOGY	OUTPUT OPTION						MOUNTING OPTIONS	SEALING
				Single	Dual	Analog	PWM	USB	CANbus		
HR	5 million	1	Hall effect	X	X	X				Rear mounting	IP68

TS SERIES

PROPORTIONAL HALL EFFECT THUMBSTICKS



PRECISION FINGERTIP CONTROL

- Ergonomically designed for repetitive operation over extended periods
- Highly reliable: up to IP68 and IP69K sealing
- Easy integration with rear or drop-in mounting & compact size
- Available with multiple handle options and material

SERIES	MECHANICAL LIFECYCLES	AXIS	TECHNOLOGY	OUTPUT OPTION						MOUNTING OPTIONS	SEALING
				Single	Dual	Analog	PWM	USB	CANbus		
TS	1 million	1,2	Hall effect			X		X		Drop-in or rear mounting	IP68 , IP69K

TOP APP : TRACTORS, COMBINES, SPECIALTY HARVESTERS, REMOTE CONTROLS, ARMRESTS & DASHBOARDS



TOP APP : TRACTORS, COMBINES, SPECIALTY HARVESTERS, REMOTE CONTROLS, ARMRESTS & DASHBOARDS



1000 SERIES

COMPACT SWITCH JOYSTICKS



COMPACT SWITCH JOYSTICK

- Configurable with single or double pole switching
- Versatile, compact and cost-effective
- Large selection of robust, ergonomic handles

SERIES	MECHANICAL LIFECYCLES	AXIS	TECHNOLOGY	OUTPUT OPTION						MOUNTING OPTIONS	SEALING
				Single	Dual	Analog	PWM	USB	CANbus		
1000	5 million	1,2	Switching (1,2 poles)							22mm bushing, 4 point screw	Up to IP67

3000 SERIES

PREMIUM HALL EFFECT JOYSTICKS



COMPACT, PRECISION HALL EFFECT JOYSTICK

- Precision contactless Hall effect technology
- Compact for low profile applications
- Robust with over 10 million mechanical lifecycles

SERIES	MECHANICAL LIFECYCLES	AXIS	TECHNOLOGY	OUTPUT OPTION						MOUNTING OPTIONS	SEALING
				Single	Dual	Analog	PWM	USB	CANbus		
3000	10 million	1,2,3	Hall effect	X	X	X	X			Drop-in or rear mounting	IP67

TOP APP : REMOTE CONTROLS FOR AGRICULTURAL EQUIPMENT, SELF PROPELLED SPECIALTY TRACTORS MOWERS, SPRAYERS, HYDRAULIC VALVE CONTROLS, MENU SELECTION FOR SCREEN NAVIGATION



TOP APP : REMOTE CONTROLS, REACH ARM MOWERS, VEGETATION CONTROL MACHINERY



HG SERIES

HAND GRIP HALL EFFECT JOYSTICKS



RUGGED HANDGRIP JOYSTICK

- Highly reliable controller designed for aggressive applications
- Several multi-function handles to choose from
- Long-life performance with Hall effect contactless technology & redundant outputs

SERIES	MECHANICAL LIFECYCLES	AXIS	TECHNOLOGY	OUTPUT OPTION						MOUNTING OPTIONS	SEALING
				Single	Dual	Analog	PWM	USB	CANbus		
HG	10 million	1,2,3	Hall effect	X	X	X		X	X	Drop-in or rear mounting	IP68

TOP APP : TRACTORS, COMBINES, SPECIALTY HARVESTERS



AG SERIES

AGRICULTURAL GRIPS



ERGONOMICALLY DESIGNED FOR PERFORMANCE

- Designed specifically for operator comfort and accessibility
- CANbus J1939 , CANopen & analog output options
- Custom, configurable faceplate options including pushbuttons, LED indicators and miniature joysticks

SERIES	MECHANICAL LIFECYCLES	AXIS	TECHNOLOGY	OUTPUT OPTION						MOUNTING OPTIONS	SEALING
				Single	Dual	Analog	PWM	USB	CANbus		
AG	1 million	1,2	Hall effect	X	X	X			X		Up to IP67

TOP APP : SPRAYERS, TRACTORS, COMBINES, SPECIALTY HARVESTER



CJ SERIES

ERGONOMIC MULTIFUNCTION JOYSTICKS



DESIGNED FOR OPERATOR COMFORT

- Ergonomical curved design minimizes operator fatigue
- Configurable upper & lower faceplates
- Optional deadman paddle switch, reducing the risk of inadvertent actuation
- Easy mounting with standard cut-out and hole pattern

SERIES	MECHANICAL LIFECYCLES	AXIS	TECHNOLOGY	OUTPUT OPTION						MOUNTING OPTIONS	SEALING
				Single	Dual	Analog	PWM	USB	CANbus		
CJ	10 million	1,2	Hall effect	X	X	X		X	X		Up to IP68

ENHANCED MEMBRANE KEYPADS

MEMBRANE KEYPADS



SEALED AND SHOCK RESISTANT KEYPAD

- Sealed up to IP69K
- Impact resistant IK10
- Fertilizer and hydrocarbon resistant
- UV resistant

ENHANCED MEMBRANE KEYPADS

Panel mounted or remote control formats available

Standard 2 or 3 buttons available

Backlit button option available

TOP APP : TRACTORS, COMBINES, SPECIALTY HARVESTERS



TOP APP : IN-CAB CONTROLS, TRACTORS, COMBINES, SPECIALTY HARVESTERS, SELF-PROPELLED SPRAYERS



6 BUTTON KEYPADS

RUBBER KEYPADS



STANDARD
SOLUTION FOR
MULTIPLE BUTTON
APPLICATIONS

- CANbus or direct wiring output options
- CAN solution e-marking qualified (EMI, EMC)
- Backlit and quick front assembly
- Bargraph & indicators available
- Blind usage and glove usage compatible

6 BUTTON KEYPADS

Sealed up to IP67
CAN Open or Can J1939
6V to 40V operating voltage
Easy front mounting

STAINLESS STEEL KEYPADS

STAINLESS STEEL KEYPADS



RUGGED,
CUSTOMIZABLE
BACKLIT KEYPAD

- Outdoor use proof (greenhouse environment resistant)
- Customizable selection of key legends and symbols
- Single or multi color options available
- Fully customizable keyboard size and button position/configuration
- Current switching up to 150mA

STAINLESS STEEL KEYPADS

Sealed up to IP67 & impact resistant up to IK09
Diameter 17 mm and 20 mm pushbuttons available
Backlighting and LED indicators windows available
High resistance to agricultural chemicals (Fertilizer, gasoline, oil, ...)
Button legends resistant to heavy extended use
Thin design to 7,1mm below panel

TOP APP : IN-CAB CONTROLS, TRACTORS, COMBINES, SPECIALTY HARVESTERS, SELF-PROPELLED SPRAYERS



TOP APP : SCREEN NAVIGATION IN SELF PROPELLED VEHICLES AND FOR ATTACHMENTS, REMOTE CONTROLS



CAPACITIVE SWITCH PANELS

CAPACITIVE SWITCH PANELS



THIN, BACKLIT RUGGEDIZED SWITCH PANEL

- Uniform backlighting
- Large selection of button sizes and slider available
- Very low profile
- High resistance to mud, fertilizer and other agricultural chemicals
- Easy cleaning

CAPACITIVE SWITCH PANELS

Switching current up to 150mA

Thin design to 8mm below panel

Choc resistant up to IK10 , sealed up to IP69K

Proximity detection

ELECTRONICS & SOFTWARE

CUSTOMIZABLE INTEGRATION



ON DEMAND ELECTRONICS & SOFTWARE INTEGRATION

- APQP development process
- Communication protocols: CANbus, RS485/422, USB...
- Integration possible with all APEM products and solutions

ELECTRONICS & SOFTWARE

Communication protocols: CANbus (J1939, CANopen), RS485, RS422, USB...

Low power management

BIT Software: real time Built In Test

Integrated Dimming

Integrated Boot Loader: Diagnostic and software upgrade capability

TOP APP : SCREEN NAVIGATION, REMOTE CONTROLS



TOP APP : ALL AGRICULTURAL MACHINERY



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